

# Season Agriculture Survey 2020

**National Institute of Statistics of Rwanda**

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visit\_data\_catalog\_at: <http://catalog.ihsn.org/>

## Identification

### SURVEY ID NUMBER

RWA\_2020\_SAS\_v01\_M

### TITLE

Season Agriculture Survey 2020

### COUNTRY

Name	Country code
Rwanda	RWA

### STUDY TYPE

Agricultural Census [ag/census]

### SERIES INFORMATION

The Seasonal Agriculture Survey (SAS) is a study conducted annually by the National Institute of Statistics of Rwanda from November to September of the following year to gather up-to-date information for monitoring progress on agriculture programs and policies in Rwanda.

The SAS 2019 covered three agricultural seasons:

- Agricultural Season A: starts from September 2018 to February 2019;
- Agricultural Season B: starts from March to June 2019; and
- Agricultural Season C: starts from July to August 2019.

### ABSTRACT

The main objective of the Seasonal Agricultural Survey is to provide timely, accurate, reliable and comprehensive agricultural statistics that describe the structure of agriculture in Rwanda mainly in terms of land use, crop area, yield and crop production to monitor current agricultural and food supply conditions and to facilitate evidence-based decision making for the development of the agricultural sector.

The National Institute of Statistics of Rwanda (NISR) has been conducting an annual agricultural survey since November 2012 for the estimation of the national agricultural crop area and production estimates. In 2019/2020 agricultural year, the NISR conducted the second edition of the Upgraded Seasonal Agricultural Survey (USAS) covering the three agricultural seasons. The USAS incorporated an increased sample size to provide more precise estimates. The USAS allows information for monitoring progress on agriculture programs and policies in Rwanda.

### KIND OF DATA

Sample survey data [ssd]

### UNIT OF ANALYSIS

This seasonal agriculture survey focused on the following units of analysis: Small scale agricultural farms and large scale farms

## Version

### VERSION DESCRIPTION

Version 01. Edited, anonymous dataset for public use.

### VERSION DATE

2021-02-10

## Scope

### NOTES

The scope of 2019 Seasonal Agriculture Survey included the following farm characteristics:

- Area, yield, production;
- Use of production, agricultural practices; and
- Agriculture inputs and land tenure).

## Coverage

### GEOGRAPHIC COVERAGE

National coverage allowing district-level estimation of key indicators

### GEOGRAPHIC UNIT

National coverage allowing district-level estimation of key indicators

### UNIVERSE

The SAS 2020 targeted potential agricultural land and large scale farmers

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name	Affiliation
National Institute of Statistics of Rwanda	Ministry of Finance and Economic Planning

### PRODUCERS

Name	Affiliation	Role
National Institute of Statistics of Rwanda	Ministry of Finance and Economic Planning	Main producer
Ministry of Agriculture and Animal Resources	Government of Rwanda	Technical partner
Rwanda Agricultural Board	Ministry of Agriculture and Animal Resources	Technical partner
National Agriculture Export Board	Ministry of Agriculture and Animal Resources	Technical partner

### FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
Government of Rwanda	GoR	Funder

## Sampling

### SAMPLING PROCEDURE

Out of 5 defined agricultural strata, only dominant hill crop land stratum, dominant wetland crops stratum, dominant rangeland stratum and mixed stratum were considered as land potential for agriculture. The remaining stratum is the non-agricultural land. Note that clusters covered by tea plantations were not considered in the area sample frame due to reasons stated above. Thus, SAS is conducted on 4 above mentioned strata to cover other major crops. In 2020 agricultural year, the sample of segments was increased in order to improve agriculture statistics where sample increased from 780 (sample used from 2018 to 2019) to 1200 segments. At first stage, 1200 segments were selected and allocated at district level based on the power allocation approach (Bankier3, 1988). Sampled segments inside each district were distributed among strata with a proportional-to-area criterion.

At second stage, 25 sample points were systematically selected, following a special distance of 60 meters between points. Sample points are reporting units within each segment, where enumerators go to every point, locate and delineate plots in which the sample points fall, and collect records of land use and related information. The recorded information represents the characteristics of the whole segment which are extrapolated to the stratum level and hence the combination of strata within each district provides district area related statistics.

### RESPONSE RATE

Data collection was done in 780 segments and 222 large scale farmers holdings for Season A, whereas in Season C data was

collected in 232 segments, response rate was 100% of the sample.

#### WEIGHTING

Sampling weights were calculated for each stratum in each district considering the total number of segments in the stratum and the sample size in the specific stratum.

## data\_collection

#### DATES OF DATA COLLECTION

Start	End
2019-09-01	2020-08-31

#### FREQUENCY OF DATA COLLECTION

Seasonal

#### DATA COLLECTION MODE

Face-to-face [f2f]

#### SUPERVISION

The 2019 SAS used 153 fieldworkers and 22 team leaders. All fieldwork staff in 2019 held a degree in Agricultural Sciences and was trained by NISR headquarters staff before starting data collection. Higher level supervision of staff from NISR visited the field teams during each phase of data collection to ensure data quality control. At the bottom of the hierarchy, there are enumerators who would be assisted by a team leader also known as a controller. His/ her main function is to introduce the enumerators to the various key people from the sector to the villages leaders up to operators in the Secondary Sampling Unit (known as Segment), and assist enumerators during the whole course of the survey .

A higher level supervision staff from NISR visited the field teams during each phase of data collection to ensure quality control. Responsibilities of a Team Leader is to manage the interviewers to ensure successful completion and quality of data collected in a given time period for the fieldwork. He/she was expected to record information about the fieldwork, which tracks the status of completion of the work in the field, document problems in the field and solutions taken to resolve these problems. Specifically, his/her tasks included:

1. Introduce the survey and interviewers at local level where the survey is administered;
2. Monitor and attend some interviews and make comments on the worker's performance;
3. Meet frequently with each member of the group to discuss, improve and organize work;
4. Check the availability of all the necessary items before going on field;
5. Help workers to solve the problems they encounter;
6. Manage the team's work schedule;
7. Make sure all the big farmers are identified and surveyed;
8. Communicate with NISR, regarding field issues, as necessary.

#### DATA COLLECTION NOTES

Data collection is done in two distinct phases: The first Phase, known as screening activity, consists of visiting all sampled segments and delineating all plots in which the sampled grids points are fallen and thereafter recording the related information using screening questionnaire. The second phase consists of visiting the sub-sampled agricultural plots from screened plots in phase one as well as all Large- Scale Farmers having cultivated plots in the season the survey is being conducted. This phase is conducted in the period of harvesting where farmers are requested to provide information about sowing period and harvesting period, inputs used, agricultural practices done on the plots, the crop production and its use.

For SAS 2019 the NISR employed around 153 field workers and 22 team leaders. Training was provided to all fieldwork personnel on the data collection methodologies associated with the use of GPS for point-sampling and computer tablet questionnaires used for plot data collection and farmer interviews. The tablet computer assisted data collection and interview allowed for very fast and efficient uploading and transfer of the enumerated data from the field to NISR headquarters for processing. The tablet software instruments (electronic version of the paper questionnaires) allowed for instantaneous checking of the respondent data and automatically directed the enumerator questioning to reduce non-sampling errors within the data collection.

#### DATA COLLECTORS

Name	Abbreviation	Affiliation
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## questionnaires

### QUESTIONNAIRES

There were two types of questionnaires used for this survey namely screening questionnaire and plot questionnaire. A Screening questionnaire was used to collect information that enabled identification of a plot and its land use using the plot questionnaire. For point-sampling, the plot questionnaire is concerned with the collection of data on characteristics of crop identification, crop production and use of production, inputs (seeds, fertilizers and pesticides), agricultural practices and land tenure. All the surveys questionnaires used were published in English.

## data\_processing

### DATA EDITING

The CAPI method of data collection allows the enumerators in the field to collect and enter data with their tablets and then synchronize to the server at headquarters where data are received by NISR staff, checked for consistency at NISR and thereafter transmitted to analysts for tabulation using STATA software, and reporting using office Excel and word as well.

## Access policy

### CONTACTS

Name	Affiliation	Email	URL
National Institute of Statistics of Rwanda	MINECOFIN	Info@statistics.gov.rw	www.statistics.gov.rw

### CONFIDENTIALITY

Confidentiality of respondents is guaranteed by law N° 45/2013 OF 16/06/2013 in its article 17, before being granted access to the dataset, all users have to formally agree: 1. To make no copies of any files or portions of files to which s/he is granted access except those authorized by the data depositor. 2. Not to use any technique in an attempt to learn the identity of any person, establishment, or sampling unit not identified on public use data files. 3. To hold in strictest confidence the identification of any establishment or individual that may be inadvertently revealed in any documents or discussion, or analysis. Such inadvertent identification revealed in her/his analysis will be immediately brought to the attention of the data.

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2. The data will be used for statistical and scientific research purposes only. They will be used solely for reporting of aggregated information, and not for investigation of specific individuals or organizations.
3. No attempt will be made to re-identify respondents, and no use will be made of the identity of any person or establishment discovered inadvertently. Any such discovery would immediately be reported to the National Institute of Statistics of Rwanda.
4. No attempt will be made to produce links among datasets provided by the National Institute of Statistics of Rwanda.

### CITATION REQUIREMENTS

National Institute of Statistics of Rwanda (NISR), Seasonal agriculture survey 2019y, December 2019.

### ACCESS AUTHORITY

Name	Affiliation	Email	URL
National Institute of Statistics of Rwanda	MINECOFIN	info@statistics.gov.rw	www.statistics.gov.rw

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## Metadata production

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DDI DOCUMENT ID

DDI\_RWA\_2020\_SAS\_v01\_M

PRODUCERS

Name	Abbreviation	Affiliation	Role
National Institute of Statistics of Rwanda	NISR	Ministry of Finance and Economic Planning	Producer of the study
Development Data Group	DECDG	The World Bank	Metadata adapted for World Bank Microdata Library

DATE OF METADATA PRODUCTION

2023-08-02

DDI DOCUMENT VERSION

Version 01 (August 2023): This metadata was downloaded from the Rwanda NISR catalog (<https://microdata.statistics.gov.rw/index.php/catalog>) and it is identical to Rwanda NISR version (RWA-NISR-SAS-2020-v0.1). The following two metadata fields were edited - Document ID and Survey ID.

**data\_dictionary**

<b>Data file</b>	<b>Cases</b>	<b>variables</b>
<b>rwa-sas-seasonA_Crop production</b>	41313	66
<b>rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides</b>	21023	42
<b>rwa-sas-SeasonA_PartIV_Agricultural practice</b>	16830	47
<b>rwa-sas-seasonA_Screening_Agroforestry</b>	27564	11
<b>rwa-sas-seasonA_Screening_Antierosion_land consolidation</b>	30078	13
<b>rwa-sas-seasonA-Screening_crops</b>	53419	20
<b>rwa-sas-seasonB_Crop production</b>	35773	66
<b>rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides</b>	18936	42
<b>rwa-sas-SeasonB_PartIV_Agricultural practice</b>	16398	48
<b>rwa-sas-seasonB_Screening_Agroforestry</b>	29526	11
<b>rwa-sas-seasonB_Screening_Antierosion_land consolidation</b>	29822	13
<b>rwa-sas-seasonB-Screening_crops</b>	48696	20
<b>rwa-sas-seasonC_Crop production</b>	4283	67
<b>rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides</b>	5618	42
<b>rwa-sas-SeasonC_PartIV_Agricultural practice</b>	3251	48
<b>rwa-sas-seasonC_Screening_Agroforestry</b>	5057	11
<b>rwa-sas-seasonC_Screening_Antierosion_land consolidation</b>	7945	14
<b>rwa-sas-seasonC-Screening_crops</b>	10897	20





**Data file: rwa-sas-seasonA\_Crop production**

Cases: 41313

variables: 66

**variables**

ID	Name	Label	Question
V454	Segment_ID	1.0 Segment identification	
V455	s1q1	1.1 Province	
V456	s1q2	1.2 District name & code	
V457	s1q3	1.3 Stratum	
V458	s1q4	1.4 Segment	
V459	s1q6	1.6 Farmer ID	
V460	s1q7	1.7 Farmer type	
V461	s1q8	1.8 Gender	
V462	s1q9	1.9 Age	
V463	s2q1	2.1 Plot No	
V464	s2q2	2.2 Plot area sqm	
V465	s2q3	2.3 Number of main crops to be harvested during this season in the plot.	
V466	s2q4	2.4 Crop name	
V467	s2q4_o	2.4 Crop name	
V468	s2q5	2.5 Number of plants in this plot for perennial crops	
V469	s2q6	2.6 Number of plants to be harvested in this season for perennial crops	
V470	s2q7	2.7 Sowing date	
V471	s2q8	2.8 Expected period for crop harvesting	
V472	s2q9	2.9 Did you use improved seed for this crop in any of your plots in this season?	
V473	s2q10	2.10 Where did improved seeds sown come from?	
V474	s2q11	2.11 Type of seeds sown in this plot	
V475	s2q12	2.12 Is the seed sown in this plot for the current season?	
V476	s2q13_1	2.13.1 Unit of traditional seeds	
V477	s2q13_2	2.13.2 Quantity Sown	
V478	s2q14	2.14 Quantity of traditional seeds purchased and sown in the plot	
V479	s2q15	2.15 Amount spent for the purchase of traditional seeds for this plot (Rwf)	
V480	s2q16_1	2.16.1 Unit of improved seeds	
V481	s2q16_2	2.16.2 Quantity Sown	
V482	s2q17	2.17 Quantity of improved seeds purchased and sown in this plot	
V483	s2q18	2.18 Amount spent for the purchase of improved seeds sown in this plot(Rwf)	
V484	s2q19	2.19 Quantity already harvested in this season (in Kg)	
V485	s2q20	2.20 Remaining quantity to be harvested(in Kg)	
V486	s2q21	2.21 Total quantity of harvest for this season (in Kg)	
V487	s2q22_1	2.22.1 Explanation on crop production status	
V488	s2q22_2	2.22.2 Explanation on crop production status	
V489	s2q22_3	2.22.3 Explanation on crop production status	
V490	s2q23	2.23. What was the quantity produced? (Kg)	
V491	s2q24	2.24. What was the quantity processed at farm level?	

ID	Name	Label	Question
V492	s2q25	2.25. What was the quantity sold?	
V493	s2q26	2.26 On which market this crop was sold?	
V494	s2q27	2.27 What was the selling price per kilogram? (Rwf/Kg)	
V495	s2q28	2.28. What was the quantity used for own consumption?	
V496	s2q29	2.29. What was the quantity used as wages?	
V497	s2q30	2.30. What was the quantity used as farm rent?	
V498	s2q31	2.31. What was the quantity used as gift?	
V499	s2q32	2.32. What was the quantity exchanged for other goods?	
V500	s2q33	2.33. What was the quantity used as seeds?	
V501	s2q34	2.34. What was the quantity used to feed animals?	
V502	s2q35	2.35. What was the quantity stored?	
V503	s2q36	2.36 What is the storage facility used during this agricultural season?	
V504	s2q37	2.37 Quantity of production stored in public storage (kg)	
V505	s2q38	2.38 On the total production of this crop what is the quantity that has been los	
V506	s2q39	2.38. What was the quantity used in other forms?	
V507	s2q40	2.40 What was the total quantity stolen ?(kg)	
V508	s2q41	2.41 What was the total quantity damaged by insects or pests?(kg)	
V509	s2q42	2.42 What was the total quantity lost due to birds or other animals?(kg)	
V510	s2q43	2.43 What was the total quantity of Stalks fallen to the ground?(kg)	
V511	s2q44	2.44 What was the total quantity lost during harvesting?(kg)	
V512	s2q45	2.45 What was the total quantity lost in transport of produce?(kg)	
V513	s2q46	2.46 What was the total quantity lost at storage?(kg)	
V514	s2q47	2.47 What was the total quantity lost during processing ?(kg)	
V515	s2q48	2.48 What was the total quantity lost during packaging ?(kg)	
V516	s2q49	2.49 What was the total quantity lost at sales?(kg)	
V517	Crop_Area	Developped crop area in ha	
V518	Plot_weight	Plot weight	
V519	CropCategory	Crop Category	

total: 66

**Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides**

Cases: 21023

variables: 42

**variables**

ID	Name	Label	Question
V520	Segment_ID	1.0 Segment identification	
V521	s1q1	1.1 Province	
V522	s1q2	1.2 District name & code	
V523	s1q3	1.3 Stratum	
V524	s1q4	1.4 Segment	
V525	s1q6	1.6 Farmer ID/LSF ID	
V526	s1q7	1.7 Farmer/LSF type	
V527	s1q8	1.8 Gender	
V528	s1q9	1.9 Age	
V529	s2q1	2.1 Plot No	
V530	s2q2	2.2 Plot area(sqm)	
V531	s2q3	2.3 Number of main crops to be harvested during this season in the plot.	
V532	s3q1	3.1 Did you use organic fertilizer in any of your plots during this season?	
V533	s3q2	3.2 Number of source where did organic fertilizer used came from?	
V534	s3q2_1	3.2_1 Where did organic fertilizer used came from?	
V535	s3q2_2	3.2_2 Where did organic fertilizer used came from?	
V536	s3q2_3	3.2_3 Where did organic fertilizer used came from?	
V537	s3q3	3.3 Have you used organic fertilizer in this plot during this season?	
V538	s3q4	3.4 Total cost of organic fertilizer purchased (Frw)	
V539	s3q5	3.5 Was the quantity of organic fertilizer used sufficient for you compared to t	
V540	s3q6	3.6 Number of reasons If the organic fertilizer used was not sufficient	
V541	s3q6_1	3.6_1 If the organic fertilizer used was not sufficient, what are the main reaso	
V542	s3q6_2	3.6_2 If the organic fertilizer used was not sufficient, what are the main reaso	
V543	s3q7	3.7 Did you use inorganic fertilizer in any of your plots during this season?	
V544	s3q8	3.8 What is the main source of fertilizer used?	
V545	s3q9	3.9 Have you used inorganic fertilizer in this plot during this season?	
V546	s3q10	3.10 Type of inorganic fertilizer used	
V547	s3q11	3.11 Measurement unit	
V548	s3q12	3.12 Total quantity used in this plot	
V549	s3q13	3.13 Quantity purchased and used in this plot	
V550	s3q14	3.14 Unit price (Rwf)	
V551	s3q15	3.15 Main crops to be fertilized?	
V552	s3q16	3.16 Did you use any type of micro-nutrients in any of your plots in this season	
V553	s3q17	3.17 Did you use any type of micro-nutrients in this plot during this season?	
V554	s3q18	3.18 Did you use pesticide/Fungicide in any of your plots during this season?	
V555	s3q19	3.19 Have you used pesticide/Fungicide in this plot during this current season?	
V556	s3q20	3.20 Pesticide type	
V557	s3q21	3.21 Pesticde unit	

ID	Name	Label	Question
V558	s3q22	3.22 Total Quantity of pesticide used	
V559	s3q23	3.23 Quantity of Pesticide purchased in this plot	
V560	s3q24	3.24 Total amount spent on quantity bought (Rwf)	
V561	plot_weight	Plot weight	

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total: 42

**Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice**

Cases: 16830

variables: 47

**variables**

ID	Name	Label	Question
V562	Segment_ID	1.0 Segment identification	
V563	s1q1	1.1 Province	
V564	s1q2	1.2 District name & code	
V565	s1q3	1.3 Stratum	
V566	s1q4	1.4 Segment	
V567	s1q6	1.6 Farmer ID	
V568	s1q8	1.8 Gender	
V569	s1q9	1.9 Age	
V570	s2q1	2.1 Plot No	
V571	s2q2	2.2 Plot area (m2)	
V572	s3q25	3.25 Does this plot belong to consolidated site in this season?	
V573	s3q26_1	3.26 What do you gain as support from land consolidation program?	
V574	s3q26_2	3.26 What do you gain as support from land consolidation program?	
V575	s3q26_3	3.26 What do you gain as support from land consolidation program?	
V576	s3q26_4	3.26 What do you gain as support from land consolidation program?	
V577	s4q1	4.1 What is the degree of erosion on this plot?	
V578	s4q2	4.2 Is there any anti-erosion activity in any of your plots?	
V579	s4q3	4.3 Is there any anti-erosion activity on this plot?	
V580	s4q4	4.4 Were these anti-erosion activities done during the current agricultural seas	
V581	s4q5	4.5 What is the total cost of anti-erosion activities done during this season (F	
V582	s4q6	4.6 Did you use any mechanical equipment for agriculture activities in any of yo	
V583	s4q7	4.7 Did you use any mechanical equipment for agriculture activities on this plot	
V584	s4q8_1	4.8.1 Have you used ploughing animals (oxen) in this plot during this season?	
V585	s4q8_2	4.8.2 At which stage of agriculture practice have you used animal ploughing?	
V586	s4q8_3	4.8.3 Amount paid on ploughing animals during this season (Rwf)	
V587	s4q9_1	4.9.1 Have you used a ploughing tractor in this plot during this season?	
V588	s4q9_2_1	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V589	s4q9_2_2	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V590	s4q9_2_3	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V591	s4q9_2_4	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V592	s4q9_2_5	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V593	s4q9_3	4.9.3 Amount paid on ploughing tractor (Rwf) in this season?	
V594	s4q10_1	4.10.1 Have you used any other mechanical equipment not mentioned in this plot d	
V595	s4q10_2	4.10.2 At which stage of agriculturepractices have you used other mechanical equ	
V596	s4q10_3	4.10.3 Name of other mechanical equipment used during this season	
V597	s4q10_4	4.10.4 Amount paid for the other mechanical equipment in this season? (Rwf)	
V598	s4q11	4.11 Amount spent on hired labor used to prepare land, sowing and any other agri	
V599	s4q12	4.12 Did you practice irrigation in any of your plots during this agricultural s	

ID	Name	Label	Question
V600	s4q13	4.13 Has this plot been irrigated during this agricultural season?	
V601	s4q14	4.14 What is irrigation technique used on this plot?	
V602	s4q15_1	4.15 What is the source of water for irrigation?	
V603	s4q15_2	4.15 What is the source of water for irrigation?	
V604	s4q16_1	4.16 What is the irrigation tool have you used?	
V605	s4q16_2	4.16 What is the irrigation tool have you used?	
V606	s4q16_3	4.16 What is the irrigation tool have you used?	
V607	s4q17	4.17 What is the cost spent for irrigation activities? (Rwf)	
V608	Plot_weight	Plot weight	

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total: 47

**Data file: rwa-sas-seasonA\_Screening\_Agroforestry**

Cases: 27564

variables: 11

**variables**

ID	Name	Label	Question
V609	Segment_ID	Segment Identification	
V610	s1q1	1.1 Province	
V611	s1q2	1.2 District	
V612	s1q3	1.3 Stratum	
V613	s1q4	1.4 Segment number	
V614	s2q1	2.1 Plot number	
V615	s2q6	2.6 Plot land use	
V616	s2q7	2.7 Nonagricultural Land Type	
V617	s2q10	2.10 Is there any agroforestry practices on this plot?	
V618	s2q11	2.11 Types of agroforestry trees planted in this plot?	
V619	Plot_weight	Plot weight	

total: 11

**Data file: rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation**

Cases: 30078

variables: 13

**variables**

ID	Name	Label	Question
V620	Segment_ID	Segment Identification	
V621	s1q1	1.1 Province	
V622	s1q2	1.2 District	
V623	s1q3	1.3 Stratum	
V624	s1q4	1.4 Segment number	
V625	s2q1	2.1 Plot number	
V626	s2q5_2	2.5.2 Farmer ID	
V627	s2q6	2.6 Plot land use	
V628	s2q7	2.7 Nonagricultural Land Type	
V629	s2q8	2.8 Is there any antierosion activity on this plot?	
V630	s2q9	2.9 Types of anti erosion activities	
V631	s2q12	2.12 Is this plot located in land consolidation site in this season?	
V632	Plot_weight	Plot weight	

total: 13



**Data file: rwa-sas-seasonA-Screening\_crops**

Cases: 53419

variables: 20

**variables**

ID	Name	Label	Question
V633	Segment_ID	Segment Identification	
V634	s1q1	1.1 Province	
V635	s1q2	1.2 District	
V636	s1q3	1.3 Stratum	
V637	s1q4	1.4 Segment number	
V638	s1q7	1.7 Number of grids sampled in the segment	
V639	s2q1	2.1 Plot number	
V640	s2q2	2.2 Number of grid points that fall in this plot	
V641	s2q4	2.4 Plot size (m2)	
V642	s2q6	2.6 Plot land use	
V643	s2q7	2.7 Nonagricultural Land Type	
V644	s2q13	2.13 Cropping system	
V645	s2q14	2.14 Number of main crops in the plot	
V646	s3q1	3.1 Crop name	
V647	s3q4	3.4 Number of banana plants	
V648	s3q5	3.5 Is this crop for this season?	
V649	s3q6	3.6 What is the expected period for harvesting this crop	
V650	Plot_weight	Plot weight	
V651	Crop_Area	Estimated Crop area in the farm(ha)	
V652	CropGroup	CropGroup	

total: 20

**Data file: rwa-sas-seasonB\_Crop production**

Cases: 35773

variables: 66

**variables**

ID	Name	Label	Question
V653	Segment_ID	1.0 Segment identification	
V654	s1q1	1.1 Province	
V655	s1q2	1.2 District name & code	
V656	s1q3	1.3 Stratum	
V657	s1q4	1.4 Segment	
V658	s1q6	1.6 Farmer ID	
V659	s1q7	1.7 Farmer type	
V660	s1q8	1.8 Gender	
V661	s1q9	1.9 Age	
V662	s2q1	2.1 Plot No	
V663	s2q2	2.2 Plot area sqm	
V664	s2q3	2.3 Number of main crops to be harvested during this season in the plot.	
V665	s2q4	2.4 Crop name	
V666	s2q4_o	2.4 Crop name	
V667	s2q5	2.5 Number of plants in this plot for perennial crops	
V668	s2q6	2.6 Number of plants to be harvested in this season for perennial crops	
V669	s2q7	2.7 Sowing date	
V670	s2q8	2.8 Expected period for crop harvesting	
V671	s2q9	2.9 Did you use improved seed for this crop in any of your plots in this season?	
V672	s2q10	2.10 Where did improved seeds sown come from?	
V673	s2q11	2.11 Type of seeds sown in this plot	
V674	s2q12	2.12 Is the seed sown in this plot for the current season?	
V675	s2q13_1	2.13.1 Unit of traditional seeds	
V676	s2q13_2	2.13.2 Quantity Sown	
V677	s2q14	2.14 Quantity of traditional seeds purchased and sown in the plot	
V678	s2q15	2.15 Amount spent for the purchase of traditional seeds for this plot (Rwf)	
V679	s2q16_1	2.16.1 Unit of improved seeds	
V680	s2q16_2	2.16.2 Quantity Sown	
V681	s2q17	2.17 Quantity of improved seeds purchased and sown in this plot	
V682	s2q18	2.18 Amount spent for the purchase of improved seeds sown in this plot(Rwf)	
V683	s2q19	2.19 Quantity already harvested in this season (in Kg)	
V684	s2q20	2.20 Remaining quantity to be harvested(in Kg)	
V685	s2q21	2.21 Total quantity of harvest for this season (in Kg)	
V686	s2q22_1	2.22.1 Explanation on crop production status	
V687	s2q22_2	2.22.2 Explanation on crop production status	
V688	s2q22_3	2.22.3 Explanation on crop production status	
V689	s2q23	2.23. What was the quantity produced? (Kg)	
V690	s2q24	2.24. What was the quantity processed at farm level?	

ID	Name	Label	Question
V691	s2q25	2.25. What was the quantity sold?	
V692	s2q26	2.26 On which market this crop was sold?	
V693	s2q27	2.27 What was the selling price per kilogram? (Rwf/Kg)	
V694	s2q28	2.28. What was the quantity used for own consumption?	
V695	s2q29	2.29. What was the quantity used as wages?	
V696	s2q30	2.30. What was the quantity used as farm rent?	
V697	s2q31	2.31. What was the quantity used as gift?	
V698	s2q32	2.32. What was the quantity exchanged for other goods?	
V699	s2q33	2.33. What was the quantity used as seeds?	
V700	s2q34	2.34. What was the quantity used to feed animals?	
V701	s2q35	2.35. What was the quantity stored?	
V702	s2q36	2.36 What is the storage facility used during this agricultural season?	
V703	s2q37	2.37 Quantity of production stored in public storage (kg)	
V704	s2q38	2.38 On the total production of this crop what is the quantity that has been los	
V705	s2q39	2.38. What was the quantity used in other forms?	
V706	s2q40	2.40 What was the total quantity stolen ?(kg)	
V707	s2q41	2.41 What was the total quantity damaged by insects or pests?(kg)	
V708	s2q42	2.42 What was the total quantity lost due to birds or other animals?(kg)	
V709	s2q43	2.43 What was the total quantity of Stalks fallen to the ground?(kg)	
V710	s2q44	2.44 What was the total quantity lost during harvesting?(kg)	
V711	s2q45	2.45 What was the total quantity lost in transport of produce?(kg)	
V712	s2q46	2.46 What was the total quantity lost at storage?(kg)	
V713	s2q47	2.47 What was the total quantity lost during processing ?(kg)	
V714	s2q48	2.48 What was the total quantity lost during packaging ?(kg)	
V715	s2q49	2.49 What was the total quantity lost at sales?(kg)	
V716	Crop_Area	Developped crop area in ha	
V717	Plot_weight	Plot weight	
V718	CropCategory	Crop Category	

total: 66

**Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**

Cases: 18936

variables: 42

**variables**

ID	Name	Label	Question
V719	Segment_ID	1.0 Segment identification	
V720	s1q1	1.1 Province	
V721	s1q2	1.2 District name & code	
V722	s1q3	1.3 Stratum	
V723	s1q4	1.4 Segment	
V724	s1q6	1.6 Farmer ID/LSF ID	
V725	s1q7	1.7 Farmer/LSF type	
V726	s1q8	1.8 Gender	
V727	s1q9	1.9 Age	
V728	s2q1	2.1 Plot No	
V729	s2q2	2.2 Plot area(sqm)	
V730	s2q3	2.3 Number of main crops to be harvested during this season in the plot.	
V731	s3q1	3.1 Did you use organic fertilizer in any of your plots during this season?	
V732	s3q2	3.2 Number of source where did organic fertilizer used came from?	
V733	s3q2_1	3.2_1 Where did organic fertilizer used came from?	
V734	s3q2_2	3.2_2 Where did organic fertilizer used came from?	
V735	s3q2_3	3.2_3 Where did organic fertilizer used came from?	
V736	s3q3	3.3 Have you used organic fertilizer in this plot during this season?	
V737	s3q4	3.4 Total cost of organic fertilizer purchased (Frw)	
V738	s3q5	3.5 Was the quantity of organic fertilizer used sufficient for you compared to t	
V739	s3q6	3.6 Number of reasons If the organic fertilizer used was not sufficient	
V740	s3q6_1	3.6_1 If the organic fertilizer used was not sufficient, what are the main reaso	
V741	s3q6_2	3.6_2 If the organic fertilizer used was not sufficient, what are the main reaso	
V742	s3q7	3.7 Did you use inorganic fertilizer in any of your plots during this season?	
V743	s3q8	3.8 What is the main source of fertilizer used?	
V744	s3q9	3.9 Have you used inorganic fertilizer in this plot during this season?	
V745	s3q10	3.10 Type of inorganic fertilizer used	
V746	s3q11	3.11 Measurement unit	
V747	s3q12	3.12 Total quantity used in this plot	
V748	s3q13	3.13 Quantity purchased and used in this plot	
V749	s3q14	3.14 Unit price (Rwf)	
V750	s3q15	3.15 Main crops to be fertilized?	
V751	s3q16	3.16 Did you use any type of micro-nutrients in any of your plots in this season	
V752	s3q17	3.17 Did you use any type of micro-nutrients in this plot during this season?	
V753	s3q18	3.18 Did you use pesticide/Fungicide in any of your plots during this season?	
V754	s3q19	3.19 Have you used pesticide/Fungicide in this plot during this current season?	
V755	s3q20	3.20 Pesticide type	
V756	s3q21	3.21 Pesticde unit	

ID	Name	Label	Question
V757	s3q22	3.22 Total Quantity of pesticide used	
V758	s3q23	3.23 Quantity of Pesticide purchased in this plot	
V759	s3q24	3.24 Total amount spent on quantity bought (Rwf)	
V760	plot_weight		

total: 42

**Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice**

Cases: 16398

variables: 48

**variables**

ID	Name	Label	Question
V761	Segment_ID	1.0 Segment identification	
V762	s1q1	1.1 Province	
V763	s1q2	1.2 District name & code	
V764	s1q3	1.3 Stratum	
V765	s1q4	1.4 Segment	
V766	s1q6	1.6 Farmer ID	
V767	s1q8	1.8 Gender	
V768	s1q9	1.9 Age	
V769	s2q1	2.1 Plot No	
V770	s2q2	2.2 Plot area (m2)	
V771	s3q25	3.25 Is this plot located in land consolidated site in this season?	
V772	s3q26_1	3.26 What do you gain as support from land consolidation program?	
V773	s3q26_2	3.26 What do you gain as support from land consolidation program?	
V774	s3q26_3	3.26 What do you gain as support from land consolidation program?	
V775	s3q26_4	3.26 What do you gain as support from land consolidation program?	
V776	s4q1	4.1 What is the degree of erosion on this plot?	
V777	s4q2	4.2 Is there any anti-erosion activity in any of your plots?	
V778	s4q3	4.3 Is there any anti-erosion activity on this plot?	
V779	s4q4	4.4 Were these anti-erosion activities done during the current agricultural seas	
V780	s4q5	4.5 What is the total cost of anti-erosion activities done during this season (F	
V781	s4q6	4.6 Did you use any mechanical equipment for agriculture activities in any of yo	
V782	s4q7	4.7 Did you use any mechanical equipment for agriculture activities on this plot	
V783	s4q8_1	4.8.1 Have you used ploughing animals (oxen) in this plot during this season?	
V784	s4q8_2	4.8.2 At which stage of agriculture practice have you used animal ploughing?	
V785	s4q8_3	4.8.3 Amount paid on ploughing animals during this season (Rwf)	
V786	s4q9_1	4.9.1 Have you used a ploughing tractor in this plot during this season?	
V787	s4q9_2_1	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V788	s4q9_2_2	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V789	s4q9_2_3	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V790	s4q9_2_4	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V791	s4q9_2_5	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V792	s4q9_3	4.9.3 Amount paid on ploughing tractor (Rwf) in this season?	
V793	s4q10_1	4.10.1 Have you used any other mechanical equipment not mentioned in this plot d	
V794	s4q10_2	4.10.2 At which stage of agriculture practices have you used other mechanical equ	
V795	s4q10_3	4.10.3 Name of other mechanical equipment used during this season	
V796	s4q10_4	4.10.4 Amount paid for the other mechanical equipment in this season? (Rwf)	
V797	s4q11	4.11 Amount spent on hired labor used to prepare land, sowing and any other agri	
V798	s4q12	4.12 Did you practice irrigation in any of your plots during this agricultural s	

ID	Name	Label	Question
V799	s4q13	4.13 Has this plot been irrigated during this agricultural season?	
V800	s4q14	4.14 What is irrigation technique used on this plot?	
V801	s4q15_1	4.15 What is the source of water for irrigation?	
V802	s4q15_2	4.15 What is the source of water for irrigation?	
V803	s4q15_3	4.15 What is the source of water for irrigation?	
V804	s4q16_1	4.16 What is the irrigation tool have you used?	
V805	s4q16_2	4.16 What is the irrigation tool have you used?	
V806	s4q16_3	4.16 What is the irrigation tool have you used?	
V807	s4q17	4.17 What is the cost spent for irrigation activities? (Rwf)	
V808	Plot_weight	Plot weight	

total: 48

**Data file: rwa-sas-seasonB\_Screening\_Agroforestry**

Cases: 29526

variables: 11

**variables**

ID	Name	Label	Question
V809	Segment_ID	Segment Identification	
V810	s1q1	1.1 Province	
V811	s1q2	1.2 District	
V812	s1q3	1.3 Stratum	
V813	s1q4	1.4 Segment number	
V814	s2q1	2.1 Plot number	
V815	s2q6	2.6 Plot land use	
V816	s2q7	2.7 Nonagricultural Land Type	
V817	s2q10	2.10 Is there any agroforestry practices on this plot?	
V818	s2q11	2.11 Types of agroforestry trees planted in this plot?	
V819	Plot_weight	Plot weight	

total: 11



**Data file: rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation**

Cases: 29822

variables: 13

**variables**

ID	Name	Label	Question
V820	Segment_ID	Segment Identification	
V821	s1q1	1.1 Province	
V822	s1q2	1.2 District	
V823	s1q3	1.3 Stratum	
V824	s1q4	1.4 Segment number	
V825	s2q1	2.1 Plot number	
V826	s2q5_2	2.5.2 Farmer ID	
V827	s2q6	2.6 Plot land use	
V828	s2q7	2.7 Nonagricultural Land Type	
V829	s2q8	2.8 Is there any antierosion activity on this plot?	
V830	s2q9	2.9 Types of anti erosion activities	
V831	s2q12	2.12 Is this plot located in land consolidation site in this season?	
V832	Plot_weight	Plot weight	

total: 13

**Data file: rwa-sas-seasonB-Screening\_crops**

Cases: 48696

variables: 20

**variables**

ID	Name	Label	Question
V833	Segment_ID	Segment Identification	
V834	s1q1	1.1 Province	
V835	s1q2	1.2 District	
V836	s1q3	1.3 Stratum	
V837	s1q4	1.4 Segment number	
V838	s1q7	1.7 Number of grids sampled in the segment	
V839	s2q1	2.1 Plot number	
V840	s2q2	2.2 Number of grid points that fall in this plot	
V841	s2q4	2.4 Plot size (m2)	
V842	s2q6	2.6 Plot land use	
V843	s2q7	2.7 Nonagricultural Land Type	
V844	s2q13	2.13 Cropping system	
V845	s2q14	2.14 Number of main crops in the plot	
V846	s3q1	3.1 Crop name	
V847	s3q4	3.4 Number of banana plants	
V848	s3q5	3.5 Is this crop for this season?	
V849	s3q6	3.6 What is the expected period for harvesting this crop	
V850	CropGroup	CropGroup	
V851	plot_weight	plot_weight	
V852	Crop_Area	Estimated Crop area in the farm(ha)	

total: 20

**Data file: rwa-sas-seasonC\_Crop production**

Cases: 4283

variables: 67

**variables**

ID	Name	Label	Question
V853	Segment_ID	1.0 Segment identification	
V854	s1q1	1.1 Province	
V855	s1q2	1.2 District name & code	
V856	s1q3	1.3 Stratum	
V857	s1q4	1.4 Segment	
V858	s1q6	1.6 Farmer ID	
V859	s1q7	1.7 Farmer type	
V860	s1q8	1.8 Gender	
V861	s1q9	1.9 Age	
V862	s2q1	2.1 Plot No	
V863	s2q2	2.2 Plot area sqm	
V864	s2q3	2.3 Number of main crops to be harvested during this season in the plot.	
V865	s2q4	2.4 Crop name	
V866	s2q4_o	2.4 Crop name	
V867	s2q5	2.5 Number of plants in this plot for perennial crops	
V868	s2q6	2.6 Number of plants to be harvested in this season for perennial crops	
V869	s2q7	2.7 Sowing date	
V870	s2q8	2.8 Expected period for crop harvesting	
V871	s2q9	2.9 Did you use improved seed for this crop in any of your plots in this season?	
V872	s2q10	2.10 Where did improved seeds sown come from?	
V873	s2q11	2.11 Type of seeds sown in this plot	
V874	s2q12	2.12 Is the seed sown in this plot for the current season?	
V875	s2q13_1	2.13.1 Unit of traditional seeds	
V876	s2q13_2	2.13.2 Quantity Sown	
V877	s2q14	2.14 Quantity of traditional seeds purchased and sown in the plot	
V878	s2q15	2.15 Amount spent for the purchase of traditional seeds for this plot (Rwf)	
V879	s2q16_1	2.16.1 Unit of improved seeds	
V880	s2q16_2	2.16.2 Quantity Sown	
V881	s2q17	2.17 Quantity of improved seeds purchased and sown in this plot	
V882	s2q18	2.18 Amount spent for the purchase of improved seeds sown in this plot(Rwf)	
V883	s2q19	2.19 Quantity already harvested in this season (in Kg)	
V884	s2q20	2.20 Remaining quantity to be harvested(in Kg)	
V885	s2q21	2.21 Total quantity of harvest for this season (in Kg)	
V886	s2q22_1	2.22.1 Explanation on crop production status	
V887	s2q22_2	2.22.2 Explanation on crop production status	
V888	s2q22_3	2.22.3 Explanation on crop production status	
V889	q_2_22_1	2.22 Explanation on crop production status	
V890	s2q23	2.23. What was the quantity produced? (Kg)	

ID	Name	Label	Question
V891	s2q24	2.24. What was the quantity processed at farm level?	
V892	s2q25	2.25. What was the quantity sold?	
V893	s2q26	2.26 On which market this crop was sold?	
V894	s2q27	2.27 What was the selling price per kilogram? (Rwf/Kg)	
V895	s2q28	2.28. What was the quantity used for own consumption?	
V896	s2q29	2.29. What was the quantity used as wages?	
V897	s2q30	2.30. What was the quantity used as farm rent?	
V898	s2q31	2.31. What was the quantity used as gift?	
V899	s2q32	2.32. What was the quantity exchanged for other goods?	
V900	s2q33	2.33. What was the quantity used as seeds?	
V901	s2q34	2.34. What was the quantity used to feed animals?	
V902	s2q35	2.35. What was the quantity stored?	
V903	s2q36	2.36 What is the storage facility used during this agricultural season?	
V904	s2q37	2.37 Quantity of production stored in public storage (kg)	
V905	s2q38	2.38 On the total production of this crop what is the quantity that has been los	
V906	s2q39	2.38. What was the quantity used in other forms?	
V907	s2q40	2.40 What was the total quantity stolen ?(kg)	
V908	s2q41	2.41 What was the total quantity damaged by insects or pests?(kg)	
V909	s2q42	2.42 What was the total quantity lost due to birds or other animals?(kg)	
V910	s2q43	2.43 What was the total quantity of Stalks fallen to the ground?(kg)	
V911	s2q44	2.44 What was the total quantity lost during harvesting?(kg)	
V912	s2q45	2.45 What was the total quantity lost in transport of produce?(kg)	
V913	s2q46	2.46 What was the total quantity lost at storage?(kg)	
V914	s2q47	2.47 What was the total quantity lost during processing ?(kg)	
V915	s2q48	2.48 What was the total quantity lost during packaging ?(kg)	
V916	s2q49	2.49 What was the total quantity lost at sales?(kg)	
V917	Crop_Area	Developped crop area in ha	
V918	Plot_weight	Plot weight	
V919	CropCategory	Crop Category	

total: 67

**Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides**

Cases: 5618

variables: 42

**variables**

ID	Name	Label	Question
V920	Segment_ID	1.0 Segment identification	
V921	s1q1	1.1 Province	
V922	s1q2	1.2 District name & code	
V923	s1q3	1.3 Stratum	
V924	s1q4	1.4 Segment	
V925	s1q6	1.6 Farmer ID/LSF ID	
V926	s1q7	1.7 Farmer/LSF type	
V927	s1q8	1.8 Gender	
V928	s1q9	1.9 Age	
V929	s2q1	2.1 Plot No	
V930	s2q2	2.2 Plot area(sqm)	
V931	s2q3	2.3 Number of main crops to be harvested during this season in the plot.	
V932	s3q1	3.1 Did you use organic fertilizer in any of your plots during this season?	
V933	s3q2	3.2 Number of source where did organic fertilizer used came from?	
V934	s3q2_1	3.2_1 Where did organic fertilizer used came from?	
V935	s3q2_2	3.2_2 Where did organic fertilizer used came from?	
V936	s3q2_3	3.2_3 Where did organic fertilizer used came from?	
V937	s3q3	3.3 Have you used organic fertilizer in this plot during this season?	
V938	s3q4	3.4 Total cost of organic fertilizer purchased (Frw)	
V939	s3q5	3.5 Was the quantity of organic fertilizer used sufficient for you compared to t	
V940	s3q6	3.6 Number of reasons If the organic fertilizer used was not sufficient	
V941	s3q6_1	3.6_1 If the organic fertilizer used was not sufficient, what are the main reaso	
V942	s3q6_2	3.6_2 If the organic fertilizer used was not sufficient, what are the main reaso	
V943	s3q7	3.7 Did you use inorganic fertilizer in any of your plots during this season?	
V944	s3q8	3.8 What is the main source of fertilizer used?	
V945	s3q9	3.9 Have you used inorganic fertilizer in this plot during this season?	
V946	s3q10	3.10 Type of inorganic fertilizer used	
V947	s3q11	3.11 Measurement unit	
V948	s3q12	3.12 Total quantity used in this plot	
V949	s3q13	3.13 Quantity purchased and used in this plot	
V950	s3q14	3.14 Unit price (Rwf)	
V951	s3q15	3.15 Main crops to be fertilized?	
V952	s3q16	3.16 Did you use any type of micro-nutrients in any of your plots in this season	
V953	s3q17	3.17 Did you use any type of micro-nutrients in this plot during this season?	
V954	s3q18	3.18 Did you use pesticide/Fungicide in any of your plots during this season?	
V955	s3q19	3.19 Have you used pesticide/Fungicide in this plot during this current season?	
V956	s3q20	3.20 Pesticide type	
V957	s3q21	3.21 Pesticde unit	

ID	Name	Label	Question
V958	s3q22	3.22 Total Quantity of pesticide used	
V959	s3q23	3.23 Quantity of Pesticide purchased in this plot	
V960	s3q24	3.24 Total amount spent on quantity bought (Rwf)	
V961	plot_weight	plot weight	

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total: 42

**Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice**

Cases: 3251

variables: 48

**variables**

ID	Name	Label	Question
V962	Segment_ID	1.0 Segment identification	
V963	s1q1	1.1 Province	
V964	s1q2	1.2 District name & code	
V965	s1q3	1.3 Stratum	
V966	s1q4	1.4 Segment	
V967	s1q6	1.6 Farmer ID	
V968	s1q8	1.8 Gender	
V969	s1q9	1.9 Age	
V970	s2q1	2.1 Plot No	
V971	s2q2	2.2 Plot area (m2)	
V972	s3q25	3.25 Is this plot located in land consolidated site in this season?	
V973	s3q26_1	3.26 What do you gain as support from land consolidation program?	
V974	s3q26_2	3.26 What do you gain as support from land consolidation program?	
V975	s3q26_3	3.26 What do you gain as support from land consolidation program?	
V976	s3q26_4	3.26 What do you gain as support from land consolidation program?	
V977	s4q1	4.1 What is the degree of erosion on this plot?	
V978	s4q2	4.2 Is there any anti-erosion activity in any of your plots?	
V979	s4q3	4.3 Is there any anti-erosion activity on this plot?	
V980	s4q4	4.4 Were these anti-erosion activities done during the current agricultural seas	
V981	s4q5	4.5 What is the total cost of anti-erosion activities done during this season (F	
V982	s4q6	4.6 Did you use any mechanical equipment for agriculture activities in any of yo	
V983	s4q7	4.7 Did you use any mechanical equipment for agriculture activities on this plot	
V984	s4q8_1	4.8.1 Have you used ploughing animals (oxen) in this plot during this season?	
V985	s4q8_2	4.8.2 At which stage of agriculture practice have you used animal ploughing?	
V986	s4q8_3	4.8.3 Amount paid on ploughing animals during this season (Rwf)	
V987	s4q9_1	4.9.1 Have you used a ploughing tractor in this plot during this season?	
V988	s4q9_2_1	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V989	s4q9_2_2	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V990	s4q9_2_3	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V991	s4q9_2_4	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V992	s4q9_2_5	4.9.2 At which stage of agriculture practice have you used ploughing tractor?	
V993	s4q9_3	4.9.3 Amount paid on ploughing tractor (Rwf) in this season?	
V994	s4q10_1	4.10.1 Have you used any other mechanical equipment not mentioned in this plot d	
V995	s4q10_2	4.10.2 At which stage of agriculturepractices have you used other mechanical equ	
V996	s4q10_3	4.10.3 Name of other mechanical equipment used during this season	
V997	s4q10_4	4.10.4 Amount paid for the other mechanical equipment in this season? (Rwf)	
V998	s4q11	4.11 Amount spent on hired labor used to prepare land, sowing and any other agri	
V999	s4q12	4.12 Did you practice irrigation in any of your plots during this agricultural s	

ID	Name	Label	Question
V1000	s4q13	4.13 Has this plot been irrigated during this agricultural season?	
V1001	s4q14	4.14 What is irrigation technique used on this plot?	
V1002	s4q15_1	4.15 What is the source of water for irrigation?	
V1003	s4q15_2	4.15 What is the source of water for irrigation?	
V1004	s4q16_1	4.16 What is the irrigation tool have you used?	
V1005	s4q16_2	4.16 What is the irrigation tool have you used?	
V1006	s4q16_3	4.16 What is the irrigation tool have you used?	
V1007	s4q17	4.17 What is the cost spent for irrigation activities? (Rwf)	
V1008	s4q15_3	4.15 What is the source of water for irrigation?	
V1009	plot_weight	Plot weight	

total: 48



**Data file: rwa-sas-seasonC\_Screening\_Agroforestry**

Cases: 5057

variables: 11

**variables**

ID	Name	Label	Question
V1010	Segment_ID	Segment Identification	
V1011	s1q1	1.1 Province	
V1012	s1q2	1.2 District	
V1013	s1q3	1.3 Stratum	
V1014	s1q4	1.4 Segment number	
V1015	s2q1	2.1 Plot number	
V1016	s2q6	2.6 Plot land use	
V1017	s2q7	2.7 Nonagricultural Land Type	
V1018	s2q10	2.10 Is there any agroforestry practices on this plot?	
V1019	s2q11	2.11 Types of agroforestry trees existing in this plot?	
V1020	Plot_weight	Plot weight	

total: 11

**Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation**

Cases: 7945

variables: 14

**variables**

ID	Name	Label	Question
V1021	Segment_ID	Segment Identification	
V1022	s1q1	1.1 Province	
V1023	s1q2	1.2 District	
V1024	s1q3	1.3 Stratum	
V1025	s1q4	1.4 Segment number	
V1026	s2q1	2.1 Plot number	
V1027	s2q4	2.4 Plot size (m2)	
V1028	s2q5_2	2.5.2 Farmer ID	
V1029	s2q6	2.6 Plot land use	
V1030	s2q7	2.7 Nonagricultural Land Type	
V1031	s2q8	2.8 Is there any antierosion activity on this plot?	
V1032	s2q9	2.9 Types of antierosion activities existing on this plot	
V1033	s2q12	2.12 Is this plot located in land consolidation site in this season?	
V1034	plot_weight	Plot weight	

total: 14

**Data file: rwa-sas-seasonC-Screening\_crops**

Cases: 10897

variables: 20

**variables**

ID	Name	Label	Question
V1035	Segment_ID	Segment Identification	
V1036	s1q1	1.1 Province	
V1037	s1q2	1.2 District	
V1038	s1q3	1.3 Stratum	
V1039	s1q4	1.4 Segment number	
V1040	s1q7	1.7 Number of grids sampled in the segment	
V1041	s2q1	2.1 Plot number	
V1042	s2q2	2.2 Number of grid points that fall in this plot	
V1043	s2q4	2.4 Plot size (m2)	
V1044	s2q6	2.6 Plot land use	
V1045	s2q7	2.7 Nonagricultural Land Type	
V1046	s2q13	2.13 Cropping system	
V1047	s2q14	2.14 Number of main crops in the plot	
V1048	s3q1	3.1 Crop name	
V1049	s3q4	3.4 Number of banana plants	
V1050	s3q5	3.5 Is this crop for this season?	
V1051	s3q6	3.6 What is the expected period for harvesting this crop	
V1052	CropGroup	CropGroup	
V1053	Crop_Area	Estimated Crop area in the farm(ha)	
V1054	plot_weight	plot weight	

total: 20



**SEGMENT\_ID: 1.0 Segment identification****Data file: rwa-sas-seasonA\_Crop production****Overview**

Valid: 41313    Invalid: 0    Minimum: 12001    Maximum: 574051    Mean: 366828.479    Standard deviation: 146216.504

Type: Continuous    Decimal: 0    Width: 10    Range: 12001 - 574051    Format: Numeric

**S1Q1: 1.1 Province****Data file: rwa-sas-seasonA\_Crop production****Overview**

Valid: 41313    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	2561	6.2%
2	South	11450	27.7%
3	West	7953	19.3%
4	North	5672	13.7%
5	East	13677	33.1%

**S1Q2: 1.2 District name & code****Data file: rwa-sas-seasonA\_Crop production****Overview**

Valid: 41313    Invalid: 0

Type: Discrete    Decimal: 0    Width: 10    Range: 11 - 57    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	721	1.7%
12	Gasabo	1154	2.8%
13	Kicukiro	686	1.7%
21	Nyanza	1521	3.7%
22	Gisagara	1684	4.1%
23	Nyaruguru	934	2.3%

24	Huye	1650	4%
25	Nyamagabe	1297	3.1%
26	Ruhango	1519	3.7%
27	Muhanga	1331	3.2%
28	Kamonyi	1514	3.7%
31	Karongi	990	2.4%
32	Rutsiro	897	2.2%
33	Rubavu	755	1.8%
34	Nyabihu	783	1.9%
35	Ngororero	1608	3.9%
36	Rusizi	1672	4%
37	Nyamasheke	1248	3%
41	Rulindo	1140	2.8%
42	Gakenke	1372	3.3%
43	Musanze	987	2.4%
44	Burera	1010	2.4%
45	Gicumbi	1163	2.8%
51	Rwamagana	2121	5.1%
52	Nyagatare	1655	4%
53	Gatsibo	2399	5.8%
54	Kayanza	1559	3.8%
55	Kirehe	1910	4.6%
56	Ngoma	2124	5.1%
57	Bugesera	1909	4.6%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 41313    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 35    Range: 0 - 40    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	LSF	1361	3.3%
10	Intensive cropland on hillsides	34457	83.4%
20	Intensive cropland in marshlands	1608	3.9%

30	Rangelands	321	0.8%
40	Mixed	3566	8.6%

## S1Q4: 1.4 Segment

Data file: rwa-sas-seasonA\_Crop production

### Overview

Valid: 41313 Invalid: 0 Minimum: 0 Maximum: 68 Mean: 20.205 Standard deviation: 13.051  
Type: Continuous Decimal: 0 Width: 8 Range: 0 - 68 Format: Numeric

## S1Q6: 1.6 Farmer ID

Data file: rwa-sas-seasonA\_Crop production

### Overview

Valid: 41313 Invalid: 0 Minimum: 1 Maximum: 307 Mean: 17.4 Standard deviation: 33.802  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 307 Format: Numeric

## S1Q7: 1.7 Farmer type

Data file: rwa-sas-seasonA\_Crop production

### Overview

Valid: 41155 Invalid: 158  
Type: Discrete Decimal: 0 Width: 53 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Small scale farmer as individual	39837	96.8%
2	Small Scale farmer as Cooperative/Company/Association,	154	0.4%
3	Large scale farmer as individual	675	1.6%
4	Large scale farmer as Cooperative/Company/Association	489	1.2%
Sysmiss		158	

## S1Q8: 1.8 Gender

Data file: rwa-sas-seasonA\_Crop production

### Overview

Valid: 40527 Invalid: 786  
Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Male	24110	59.5%
2	Female	16417	40.5%
Sysmiss		786	

### S1Q9: 1.9 Age

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 40518    Invalid: 795    Minimum: 6    Maximum: 102    Mean: 49.142    Standard deviation: 14.82  
 Type: Continuous    Decimal: 0    Width: 8    Range: 6 - 102    Format: Numeric

### S2Q1: 2.1 Plot No

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 41313    Invalid: 0    Minimum: 1    Maximum: 65    Mean: 12.632    Standard deviation: 7.43  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 65    Format: Numeric

### S2Q2: 2.2 Plot area sqm

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 41313    Invalid: 0    Minimum: 27.848    Maximum: 10203921    Mean: 7951.917    Standard deviation: 136990.299  
 Type: Continuous    Decimal: 0    Width: 10    Range: 27.8480338296642 - 10203921    Format: Numeric

### S2Q3: 2.3 Number of main crops to be harvested during this season in the plot.

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 41313    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 7    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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1		5296	12.8%
2		9290	22.5%
3		9800	23.7%
4		7557	18.3%
5		5733	13.9%
6		2622	6.3%
7		1015	2.5%

## S2Q4: 2.4 Crop name

Data file: rwa-sas-seasonA\_Crop production

### Overview

Valid: 41313 Invalid: 0

Type: Discrete Decimal: 0 Width: 42 Range: 101 - 510 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
101	Maize	8145	19.7%
102	Paddy rice	125	0.3%
103	Sorghum	683	1.7%
104	Wheat	107	0.3%
105	Other cereal(specify)	1	0%
106	Bush bean	5929	14.4%
107	Climbing bean	3069	7.4%
108	Pea	587	1.4%
109	Other pulse(specify)	0	0%
110	Irish potato	1772	4.3%
111	Sweet potato	2222	5.4%
112	Taro	850	2.1%
113	Yams	19	0%
114	Other tubers(specify)	1	0%
115	Tomato	198	0.5%
116	Cabbage	74	0.2%
117	Cauliflower	4	0%
118	Onion	49	0.1%
119	Carrot	42	0.1%
120	Eggplant	148	0.4%

121	Other seasonal vegetables(specify)	10	0%
122	Soybean	1111	2.7%
123	Groundnut	606	1.5%
124	Sun flower	187	0.5%
125	Black eggplant	3	0%
126	Sweet pepper	25	0.1%
127	Amaranth	32	0.1%
128	Celery	4	0%
129	Spinach	5	0%
130	Small red bean	13	0%
131	Sugar beet	9	0%
132	Garlic	22	0.1%
133	African cabbage	2	0%
134	Leek	7	0%
135	French beans	34	0.1%
136	Letus	3	0%
137	Broccoli	3	0%
138	Millet	50	0.1%
139	Cucumber	6	0%
140	Other seasonal crops(specify).	3	0%
201	Pyrethrum	15	0%
202	Pepper	25	0.1%
203	Pumpkin	25	0.1%
204	Napia grass	24	0.1%
205	Sugar cane	96	0.2%
206	Other annual crops (specify).	15	0%
301	Cooking banana	3180	7.7%
302	Dessert banana	2813	6.8%
303	Banana for beer	3501	8.5%
304	Coffee	92	0.2%
305	Cassava	4746	11.5%
306	Mulberry	11	0%
307	Jatropha	1	0%
308	Stevia	2	0%
309	Macadamia	30	0.1%
310	Tea	0	0%
311	Other perennial crop (Specify).	17	0%
401	Tree tomato	94	0.2%
402	Pineapple	35	0.1%

403	Avocado	41	0.1%
404	Passion fruits	34	0.1%
405	Palm	10	0%
406	Mango	56	0.1%
407	Apple	1	0%
408	Papaya	13	0%
409	Orange	22	0.1%
410	Lemon	3	0%
411	Guava	2	0%
412	Olive	3	0%
413	Water melon	10	0%
414	Mandaline	0	0%
415	Jack fruits	1	0%
416	Gooseberry	3	0%
417	Strawberry	0	0%
418	Sugar Apple/Coeur de Boeuf/Annona squamosa	0	0%
419	Other fruits(specify)	0	0%
501	Napia grass for fodder	150	0.4%
502	Maize for fodder	19	0%
503	Soybean for fodder	1	0%
504	Leucena	0	0%
505	Desmodium	4	0%
506	Mucuna	2	0%
507	Setaria	1	0%
508	Tripsacum	4	0%
509	Herbaceous	1	0%
510	Other fodder crop (specify).	50	0.1%

## S2Q4\_O: 2.4 Crop name

Data file: rwa-sas-seasonA\_Crop production

### Overview

Valid: 98 Invalid: 0

Type: Discrete Width: 26 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
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Alfa Alfa		1	1%
Amadegede Basarura Ibibabi		2	2%
Artichokes		2	2%
Cassava leaves		1	1%
Chia		2	2%
Cloris Gayana		20	20.4%
Flower		3	3.1%
Forage Millet		1	1%
Gherkin		1	1%
Gooseberry		1	1%
Igikaranka		1	1%
Ikiyote		2	2%
Imigwegwe		1	1%
Imikunde		1	1%
Karela		1	1%
Kayote		1	1%
Kurujeti		1	1%
Lucerne		1	1%
Mobydick Flowers		1	1%
Moringa		8	8.2%
Okra		1	1%
Okra(Gombo)		1	1%
Panicum		6	6.1%
Perisil		2	2%
Persile		1	1%
Quinquina		1	1%
Romari		1	1%
Rubalb		1	1%
Saraza		1	1%
Tangawizi		1	1%
Temeda		5	5.1%
Tobacco		9	9.2%
Umucaca		10	10.2%
Umudarasini		1	1%
Umukenke		5	5.1%

## S2Q5: 2.5 Number of plants in this plot for perennial crops

Data file: rwa-sas-seasonA\_Crop production

**Overview**

Valid: 14539   Invalid: 26774   Minimum: 1   Maximum: 2240000   Mean: 499.14   Standard deviation: 18908.257

Type: Continuous   Decimal: 0   Width: 12   Range: 1 - 2240000   Format: Numeric

**S2Q6: 2.6 Number of plants to be harvested in this season for perennial crops****Data file: rwa-sas-seasonA\_Crop production****Overview**

Valid: 14553   Invalid: 26760   Minimum: 0   Maximum: 2240000   Mean: 246.718   Standard deviation: 18592.31

Type: Continuous   Decimal: 0   Width: 12   Range: 0 - 2240000   Format: Numeric

**S2Q7: 2.7 Sowing date****Data file: rwa-sas-seasonA\_Crop production****Overview**

Valid: 41313   Invalid: 0

Type: Discrete   Decimal: 0   Width: 39   Range: 1 - 25   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Before 01/07	2984	7.2%
2	Between 01-15/07	0	0%
3	Between 16-31/07	0	0%
4	Between 01-15/08	0	0%
5	Between 16-31/08	0	0%
6	Between 01-15 /09	6324	15.3%
7	Between 16- 30/09	6502	15.7%
8	Between 01-15/10	9381	22.7%
9	Between16- 31/10	2460	6%
10	After 31/10	2130	5.2%
11	Other season (for perennial crops only)	11532	27.9%
12	Before 01/01	0	0%
13	Between 01-15/01	0	0%
14	Between 16-31/01	0	0%
15	Between 01-15/02	0	0%
16	Between 16-28/02	0	0%
17	Between 01- 15/03	0	0%

18	Between 16 ? 31/03	0	0%
19	After 31/03	0	0%
20	Other season (for perennial crops only)	0	0%
21	Before 01/05	0	0%
22	Between 01- 31/05	0	0%
23	Between 01- 30/06	0	0%
24	Between 01-31/07	0	0%
25	After 31/07	0	0%

## S2Q8: 2.8 Expected period for crop harvesting

Data file: rwa-sas-seasonA\_Crop production

### Overview

Valid: 41313    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 39    Range: 1 - 24    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Before 01/12	7959	19.3%
2	Between 01-15/12	1611	3.9%
3	Between 16-31/12	4861	11.8%
4	Between 01-15/01	5603	13.6%
5	Between 16- 31/01	4219	10.2%
6	Between 01-28/02	8907	21.6%
7	After Feb	4833	11.7%
8	Other season (for perennial crops only)	3320	8%
9	Before 01/05	0	0%
10	Between 01-15/05	0	0%
11	Between 15-31/05	0	0%
12	Between 01- 15/06	0	0%
13	Between 16 -30/06	0	0%
14	Between 01-15/07	0	0%
15	Between 16-31/07	0	0%
16	Between 01-31/08	0	0%
17	After August	0	0%
18	Other season (for perennial crops only)	0	0%
19	Before 01/08	0	0%

20	Between 01-15/08	0	0%
21	Between 16- 31/08	0	0%
22	Between 01-15/09	0	0%
23	Between 16 -30/09	0	0%
24	After 30/09	0	0%

## S2Q9: 2.9 Did you use improved seed for this crop in any of your plots in this season?

Data file: rwa-sas-seasonA\_Crop production

### Overview

Valid: 41312 Invalid: 1

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	6464	15.6%
2	No	34848	84.4%
Sysmiss		1	

## S2Q10: 2.10 Where did improved seeds sown come from?

Data file: rwa-sas-seasonA\_Crop production

### Overview

Valid: 6477 Invalid: 34836

Type: Discrete Decimal: 0 Width: 29 Range: 1 - 7 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Government (MINAGRI/RAB/NAEB)	1030	15.9%
2	Recognized seed multipliers	421	6.5%
3	Agro dealers	2395	37%
4	NGOs	1788	27.6%
5	Market	341	5.3%
6	Agriculture cooperative	296	4.6%
7	Other (specify)	206	3.2%
Sysmiss		34836	

**S2Q11: 2.11 Type of seeds sown in this plot****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41312    Invalid: 1  
 Type: Discrete    Decimal: 0    Width: 17    Range: 1 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Traditional seeds	35651	86.3%
2	Improved seeds	5229	12.7%
3	1&2	432	1%
Sysmiss		1	

**S2Q12: 2.12 Is the seed sown in this plot for the current season?****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41312    Invalid: 1  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	29493	71.4%
2	No	11819	28.6%
Sysmiss		1	

**S2Q13\_1: 2.13.1 Unit of traditional seeds****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 24667    Invalid: 16646  
 Type: Discrete    Decimal: 0    Width: 19    Range: 1 - 4    Format: Numeric



## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Kg	17487	70.9%
2	g	577	2.3%
3	Cuttings	2973	12.1%
4	Not applicable (NA)	3630	14.7%
Sysmiss		16646	

### S2Q13\_2: 2.13.2 Quantity Sown

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 21007 Invalid: 20306 Minimum: 0 Maximum: 9999 Mean: 115.144 Standard deviation: 444.423  
 Type: Continuous Decimal: 0 Width: 9 Range: 0 - 9999 Format: Numeric

### S2Q14: 2.14 Quantity of traditional seeds purchased and sown in the plot

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 20993 Invalid: 20320 Minimum: 0 Maximum: 9999 Mean: 19.547 Standard deviation: 194.284  
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 9999 Format: Numeric

### S2Q15: 2.15 Amount spent for the purchase of traditional seeds for this plot (Rwf)

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 12743 Invalid: 28570 Minimum: 0 Maximum: 4920000 Mean: 7439.254 Standard deviation: 59989.729  
 Type: Continuous Decimal: 0 Width: 12 Range: 0 - 4920000 Format: Numeric

### S2Q16\_1: 2.16.1 Unit of improved seeds

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 5247 Invalid: 36066  
 Type: Discrete Decimal: 0 Width: 19 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Kg	4634	88.3%
2	g	486	9.3%
3	Cuttings	21	0.4%
4	Not applicable (NA)	106	2%
Sysmiss		36066	

### S2Q16\_2: 2.16.2 Quantity Sown

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 5131 Invalid: 36182 Minimum: 0 Maximum: 9500 Mean: 95.383 Standard deviation: 522.775  
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 9500 Format: Numeric

### S2Q17: 2.17 Quantity of improved seeds purchased and sown in this plot

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 5131 Invalid: 36182 Minimum: 0.06 Maximum: 9500 Mean: 109.108 Standard deviation: 554.263  
 Type: Continuous Decimal: 0 Width: 9 Range: 0.059999986588955 - 9500 Format: Numeric

### S2Q18: 2.18 Amount spent for the purchase of improved seeds sown in this plot(Rwf)

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 4726 Invalid: 36587 Minimum: 0 Maximum: 9983480 Mean: 59721.606 Standard deviation: 409281.151  
 Type: Continuous Decimal: 0 Width: 12 Range: 0 - 9983480 Format: Numeric

### S2Q19: 2.19 Quantity already harvested in this season (in Kg)

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 41313 Invalid: 0 Minimum: 0 Maximum: 2172000 Mean: 882.441 Standard deviation: 24487.811  
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 2172000 Format: Numeric

**S2Q20: 2.20 Remaining quantity to be harvested(in Kg)****Data file: rwa-sas-seasonA\_Crop production****Overview**

Valid: 41313 Invalid: 0 Minimum: 0 Maximum: 4554000 Mean: 1465.175 Standard deviation: 40369.678  
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 4554000 Format: Numeric

**S2Q21: 2.21 Total quantity of harvest for this season (in Kg)****Data file: rwa-sas-seasonA\_Crop production****Overview**

Valid: 41313 Invalid: 0 Minimum: 0 Maximum: 4554000 Mean: 2347.616 Standard deviation: 51178.941  
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 4554000 Format: Numeric

**S2Q22\_1: 2.22.1 Explanation on crop production status****Data file: rwa-sas-seasonA\_Crop production****Overview**

Valid: 41313 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 34 Range: 1 - 16 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Drought	687	1.7%
2	Heavy rainfall/Hailstones	13363	32.3%
3	Insufficient rainfall	1008	2.4%
4	insufficient/Lack of fertilizers	12944	31.3%
5	Late sowing	364	0.9%
6	Flood	102	0.2%
7	Landslide	20	0%
8	Crop destroyed by animals (grazes)	54	0.1%
9	Diseases and pests	1887	4.6%
10	Unfertile soil	549	1.3%
11	Inappropriate seeds	756	1.8%
12	Good harvest as it was expected	4143	10%
13	lack of improved seed	236	0.6%
14	Strong winds	120	0.3%
15	Perennial crops not yet mature	3992	9.7%
16	Other reason (Specify)	1088	2.6%

**S2Q22\_2: 2.22.2 Explanation on crop production status****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 16691 Invalid: 24622

Type: Discrete Decimal: 0 Width: 34 Range: 1 - 16 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Drought	0	0%
2	Heavy rainfall/Hailstones	80	0.5%
3	Insufficient rainfall	101	0.6%
4	insufficient/Lack of fertilizers	5995	35.9%
5	Late sowing	719	4.3%
6	Flood	145	0.9%
7	Landslide	58	0.3%
8	Crop destroyed by animals (grazes)	85	0.5%
9	Diseases and pests	3406	20.4%
10	Unfertile soil	1816	10.9%
11	Inappropriate seeds	1339	8%
12	Good harvest as it was expected	0	0%
13	lack of improved seed	1075	6.4%
14	Strong winds	234	1.4%
15	Perennial crops not yet mature	193	1.2%
16	Other reason (Specify)	1445	8.7%
Sysmiss		24622	

**S2Q22\_3: 2.22.3 Explanation on crop production status****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 4178 Invalid: 37135

Type: Discrete Decimal: 0 Width: 34 Range: 1 - 16 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Drought	0	0%
2	Heavy rainfall/Hailstones	0	0%
3	Insufficient rainfall	0	0%
4	insufficient/Lack of fertilizers	52	1.2%
5	Late sowing	220	5.3%
6	Flood	27	0.6%
7	Landslide	23	0.6%
8	Crop destroyed by animals (grazes)	19	0.5%
9	Diseases and pests	809	19.4%
10	Unfertile soil	814	19.5%
11	Inappropriate seeds	612	14.6%
12	Good harvest as it was expected	0	0%
13	lack of improved seed	740	17.7%
14	Strong winds	121	2.9%
15	Perennial crops not yet mature	75	1.8%
16	Other reason (Specify)	666	15.9%
Sysmiss		37135	

### S2Q23: 2.23. What was the quantity produced? (Kg)

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 41313 Invalid: 0 Minimum: 0 Maximum: 4554000 Mean: 3106.544 Standard deviation: 53453.672  
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 4554000 Format: Numeric

### S2Q24: 2.24. What was the quantity processed at farm level?

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 41313 Invalid: 0 Minimum: 0 Maximum: 1463068 Mean: 129.539 Standard deviation: 7594.199  
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 1463068 Format: Numeric

### S2Q25: 2.25. What was the quantity sold?

Data file: rwa-sas-seasonA\_Crop production

#### Overview

Valid: 41313 Invalid: 0 Minimum: 0 Maximum: 3187800 Mean: 2171.816 Standard deviation: 42579.701  
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 3187800 Format: Numeric

**S2Q26: 2.26 On which market this crop was sold?****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 19057    Invalid: 22256  
 Type: Discrete    Decimal: 0    Width: 31    Range: 1 - 4    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Farm/Home	7323	38.4%
2	Market	10976	57.6%
3	Cooperative/company/Association	707	3.7%
4	Other selling place	51	0.3%
Sysmiss		22256	

**S2Q27: 2.27 What was the selling price per kilogram? (Rwf/Kg)****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 19100    Invalid: 22213    Minimum: 0    Maximum: 5824    Mean: 604.212    Standard deviation: 428.767  
 Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 5824    Format: Numeric

**S2Q28: 2.28. What was the quantity used for own consumption?****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41313    Invalid: 0    Minimum: -600    Maximum: 1366200    Mean: 492.599    Standard deviation: 10813.918  
 Type: Continuous    Decimal: 0    Width: 10    Range: -600 - 1366200    Format: Numeric

**S2Q29: 2.29. What was the quantity used as wages?****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41313    Invalid: 0    Minimum: 0    Maximum: 20400    Mean: 22.435    Standard deviation: 428.837  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 20400    Format: Numeric

**S2Q30: 2.30. What was the quantity used as farm rent?****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41313   Invalid: 0   Minimum: 0   Maximum: 25000   Mean: 4.091   Standard deviation: 138.021  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 25000   Format: Numeric

---

**S2Q31: 2.31. What was the quantity used as gift?****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41313   Invalid: 0   Minimum: 0   Maximum: 120000   Mean: 38.324   Standard deviation: 1375.266  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 120000   Format: Numeric

---

**S2Q32: 2.32. What was the quantity exchanged for other goods?****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41313   Invalid: 0   Minimum: 0   Maximum: 258076   Mean: 6.57   Standard deviation: 1270.061  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 258076   Format: Numeric

---

**S2Q33: 2.33. What was the quantity used as seeds?****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41313   Invalid: 0   Minimum: 0   Maximum: 187000   Mean: 51.451   Standard deviation: 1854.112  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 187000   Format: Numeric

---

**S2Q34: 2.34. What was the quantity used to feed animals?****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41313   Invalid: 0   Minimum: 0   Maximum: 1097760   Mean: 228.862   Standard deviation: 9921.589  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 1097760   Format: Numeric

---

**S2Q35: 2.35. What was the quantity stored?****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41313   Invalid: 0   Minimum: 0   Maximum: 1200000   Mean: 45.262   Standard deviation: 6152.984  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 1200000   Format: Numeric

---

**S2Q36: 2.36 What is the storage facility used during this agricultural season?****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 2031    Invalid: 0  
 Type: Discrete    Width: 2    Range: -    Format: character

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		1913	94.2%
12		2	0.1%
13		1	0%
14		1	0%
2		69	3.4%
3		17	0.8%
4		28	1.4%

**S2Q37: 2.37 Quantity of production stored in public storage (kg)****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41313    Invalid: 0    Minimum: 0    Maximum: 1000    Mean: 0.175    Standard deviation: 7.799  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 1000    Format: Numeric

**S2Q38: 2.38 On the total production of this crop what is the quantity that has been los****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41313    Invalid: 0    Minimum: 0    Maximum: 200000    Mean: 35.203    Standard deviation: 1575.056  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 200000    Format: Numeric

**S2Q39: 2.38. What was the quantity used in other forms?****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41313    Invalid: 0    Minimum: 0    Maximum: 216000    Mean: 9.93    Standard deviation: 1078.251  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 216000    Format: Numeric



**S2Q40: 2.40 What was the total quantity stolen ?(kg)****Data file: rwa-sas-seasonA\_Crop production****Overview**

Valid: 41313 Invalid: 0 Minimum: 0 Maximum: 48948.9 Mean: 7.579 Standard deviation: 270.481  
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 48948.9 Format: Numeric

---

**S2Q41: 2.41 What was the total quantity damaged by insects or pests?(kg)****Data file: rwa-sas-seasonA\_Crop production****Overview**

Valid: 41313 Invalid: 0 Minimum: 0 Maximum: 900000 Mean: 61.679 Standard deviation: 4785.715  
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 900000 Format: Numeric

---

**S2Q42: 2.42 What was the total quantity lost due to birds or other animals?(kg)****Data file: rwa-sas-seasonA\_Crop production****Overview**

Valid: 41313 Invalid: 0 Minimum: 0 Maximum: 100000 Mean: 14.49 Standard deviation: 703.838  
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 100000 Format: Numeric

---

**S2Q43: 2.43 What was the total quantity of Stalks fallen to the ground?(kg)****Data file: rwa-sas-seasonA\_Crop production****Overview**

Valid: 41313 Invalid: 0 Minimum: 0 Maximum: 2265240 Mean: 159.703 Standard deviation: 12304.035  
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 2265240 Format: Numeric

---

**S2Q44: 2.44 What was the total quantity lost during harvesting?(kg)****Data file: rwa-sas-seasonA\_Crop production****Overview**

Valid: 41313 Invalid: 0 Minimum: 0 Maximum: 100000 Mean: 7.381 Standard deviation: 547.509  
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 100000 Format: Numeric

---

**S2Q45: 2.45 What was the total quantity lost in transport of produce?(kg)****Data file: rwa-sas-seasonA\_Crop production**

**Overview**

Valid: 41313    Invalid: 0    Minimum: 0    Maximum: 22000    Mean: 4.292    Standard deviation: 179.056  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 22000    Format: Numeric

---

**S2Q46: 2.46 What was the total quantity lost at storage?(kg)**

**Data file:** rwa-sas-seasonA\_Crop production

**Overview**

Valid: 41313    Invalid: 0    Minimum: 0    Maximum: 100000    Mean: 4.271    Standard deviation: 496.416  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 100000    Format: Numeric

---

**S2Q47: 2.47 What was the total quantity lost during processing ?(kg)**

**Data file:** rwa-sas-seasonA\_Crop production

**Overview**

Valid: 41313    Invalid: 0    Minimum: 0    Maximum: 150000    Mean: 22.358    Standard deviation: 1140.003  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 150000    Format: Numeric

---

**S2Q48: 2.48 What was the total quantity lost during packaging ?(kg)**

**Data file:** rwa-sas-seasonA\_Crop production

**Overview**

Valid: 41313    Invalid: 0    Minimum: 0    Maximum: 26951    Mean: 2.586    Standard deviation: 193.749  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 26951    Format: Numeric

---

**S2Q49: 2.49 What was the total quantity lost at sales?(kg)**

**Data file:** rwa-sas-seasonA\_Crop production

**Overview**

Valid: 41313    Invalid: 0    Minimum: 0    Maximum: 17957    Mean: 1.996    Standard deviation: 155.322  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 17957    Format: Numeric

---

**CROP\_AREA: Developed crop area in ha**

**Data file:** rwa-sas-seasonA\_Crop production

**Overview**

Valid: 41313    Invalid: 0    Minimum: 0.000278    Maximum: 851.052    Mean: 0.626    Standard deviation: 12.449  
 Type: Continuous    Decimal: 0    Width: 9    Range: 0.000278480321867391 - 851.052062988281    Format: Numeric

---

**PLOT\_WEIGHT: Plot weight****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41313    Invalid: 0    Minimum: 1    Maximum: 22477.514    Mean: 744.935    Standard deviation: 927.555  
 Type: Continuous    Decimal: 0    Width: 12    Range: 1 - 22477.5144092282    Format: Numeric

**CROPCATEGORY: Crop Category****Data file:** rwa-sas-seasonA\_Crop production**Overview**

Valid: 41313    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 15    Range: 6 - 305    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
6	Fruits	328	0.8%
7	Vegetables	730	1.8%
8	Other crops	307	0.7%
9	Other cereals	238	0.6%
10	Taro & Yams	869	2.1%
11	Fodder crops	232	0.6%
101	Maize	8145	19.7%
102	Paddy rice	125	0.3%
103	Sorghum	683	1.7%
104	Wheat	107	0.3%
106	Bush bean	5942	14.4%
107	Climbing bean	3069	7.4%
108	Pea	587	1.4%
110	Irish potato	1772	4.3%
111	Sweet potato	2222	5.4%
122	Soybean	1111	2.7%
123	Groundnut	606	1.5%
301	Cooking banana	3180	7.7%
302	Dessert banana	2813	6.8%
303	Banana for beer	3501	8.5%
305	Cassava	4746	11.5%

**SEGMENT\_ID: 1.0 Segment identification****Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides****Overview**

Valid: 21023    Invalid: 0    Minimum: 12001    Maximum: 574051    Mean: 357561.468    Standard deviation: 148937.885

Type: Continuous    Decimal: 0    Width: 10    Range: 12001 - 574051    Format: Numeric

**S1Q1: 1.1 Province****Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides****Overview**

Valid: 21023    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	1089	5.2%
2	South	4972	23.7%
3	West	4906	23.3%
4	North	3591	17.1%
5	East	6465	30.8%

**S1Q2: 1.2 District name & code****Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides****Overview**

Valid: 21023    Invalid: 0

Type: Discrete    Decimal: 0    Width: 10    Range: 11 - 57    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	284	1.4%
12	Gasabo	506	2.4%
13	Kicukiro	299	1.4%
21	Nyanza	692	3.3%
22	Gisagara	616	2.9%
23	Nyaruguru	516	2.5%

24	Huye	616	2.9%
25	Nyamagabe	653	3.1%
26	Ruhango	662	3.1%
27	Muhanga	546	2.6%
28	Kamonyi	671	3.2%
31	Karongi	618	2.9%
32	Rutsiro	523	2.5%
33	Rubavu	835	4%
34	Nyabihu	837	4%
35	Ngororero	722	3.4%
36	Rusizi	746	3.5%
37	Nyamasheke	625	3%
41	Rulindo	596	2.8%
42	Gakenke	906	4.3%
43	Musanze	700	3.3%
44	Burera	719	3.4%
45	Gicumbi	670	3.2%
51	Rwamagana	1007	4.8%
52	Nyagatare	923	4.4%
53	Gatsibo	981	4.7%
54	Kayanza	710	3.4%
55	Kirehe	909	4.3%
56	Ngoma	953	4.5%
57	Bugesera	982	4.7%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 21023 Invalid: 0

Type: Discrete Decimal: 0 Width: 35 Range: 0 - 40 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	LSF	1408	6.7%
10	Intensive cropland on hillsides	16895	80.4%
20	Intensive cropland in marshlands	903	4.3%

30	Rangelands	146	0.7%
40	Mixed	1671	7.9%

### S1Q4: 1.4 Segment

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 21023 Invalid: 0 Minimum: 0 Maximum: 68 Mean: 19.319 Standard deviation: 13.092  
Type: Continuous Decimal: 0 Width: 8 Range: 0 - 68 Format: Numeric

### S1Q6: 1.6 Farmer ID/LSF ID

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 21023 Invalid: 0 Minimum: 1 Maximum: 81 Mean: 12.033 Standard deviation: 7.681  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 81 Format: Numeric

### S1Q7: 1.7 Farmer/LSF type

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 20911 Invalid: 112  
Type: Discrete Decimal: 0 Width: 53 Range: 1 - 4 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Small scale farmer as individual	19519	93.3%
2	Small Scale farmer as Cooperative/Company/Association,	164	0.8%
3	Large scale farmer as individual	528	2.5%
4	Large scale farmer as Cooperative/Company/Association	700	3.3%
Sysmiss		112	

### S1Q8: 1.8 Gender

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 20056 Invalid: 967  
Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Male	12386	61.8%
2	Female	7670	38.2%
Sysmiss		967	

### S1Q9: 1.9 Age

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 20049    Invalid: 974    Minimum: 6    Maximum: 102    Mean: 47.931    Standard deviation: 14.557  
 Type: Continuous    Decimal: 0    Width: 8    Range: 6 - 102    Format: Numeric

### S2Q1: 2.1 Plot No

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 21023    Invalid: 0    Minimum: 1    Maximum: 65    Mean: 12.377    Standard deviation: 7.612  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 65    Format: Numeric

### S2Q2: 2.2 Plot area(sqm)

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 21023    Invalid: 0    Minimum: 27.848    Maximum: 10203921    Mean: 25503.666    Standard deviation: 276898.673  
 Type: Continuous    Decimal: 0    Width: 10    Range: 27.8480338296642 - 10203921    Format: Numeric

### S2Q3: 2.3 Number of main crops to be harvested during this season in the plot.

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 21023    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 7    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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1		6748	32.1%
2		5813	27.7%
3		4021	19.1%
4		2286	10.9%
5		1413	6.7%
6		549	2.6%
7		193	0.9%

### S3Q1: 3.1 Did you use organic fertilizer in any of your plots during this season?

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 21023 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Yes	17412	82.8%
2	No	3611	17.2%

### S3Q2: 3.2 Number of source where did organic fertilizer used came from?

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 17412 Invalid: 3611  
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1		15640	89.8%
2		1756	10.1%
3		16	0.1%
Sysmiss		3611	



**S3Q2\_1: 3.2\_1 Where did organic fertilizer used came from?****Data file:** rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 17412 Invalid: 3611

Type: Discrete Decimal: 0 Width: 47 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Own preparation (manure, compost, Biogas, etc.)	14623	84%
2	Bought	2336	13.4%
3	Received for free	445	2.6%
4	Other(Specify)	8	0%
Sysmiss		3611	

**S3Q2\_2: 3.2\_2 Where did organic fertilizer used came from?****Data file:** rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 1772 Invalid: 19251

Type: Discrete Decimal: 0 Width: 47 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Own preparation (manure, compost, Biogas, etc.)	0	0%
2	Bought	1598	90.2%
3	Received for free	169	9.5%
4	Other(Specify)	5	0.3%
Sysmiss		19251	

**S3Q2\_3: 3.2\_3 Where did organic fertilizer used came from?****Data file:** rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 16 Invalid: 21007

Type: Discrete Decimal: 0 Width: 47 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Own preparation (manure, compost, Biogas, etc.)	0	0%
2	Bought	0	0%
3	Received for free	15	93.8%
4	Other(Specify)	1	6.3%
Sysmiss		21007	

### S3Q3: 3.3 Have you used organic fertilizer in this plot during this season?

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 21023 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	13512	64.3%
2	No	7511	35.7%

### S3Q4: 3.4 Total cost of organic fertilizer purchased (Frw)

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 3134 Invalid: 17889 Minimum: 400 Maximum: 5000000 Mean: 60715.593 Standard deviation: 312373.721  
 Type: Continuous Decimal: 0 Width: 12 Range: 400 - 5000000 Format: Numeric

### S3Q5: 3.5 Was the quantity of organic fertilizer used sufficient for you compared to t

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 13512 Invalid: 7511  
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	5139	38%
2	No	8373	62%
Sysmiss		7511	

### S3Q6: 3.6 Number of reasons If the organic fertilizer used was not sufficient

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 8373 Invalid: 12650

Type: Discrete Decimal: 0 Width: 9 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		4551	54.4%
2		3822	45.6%
Sysmiss		12650	

### S3Q6\_1: 3.6\_1 If the organic fertilizer used was not sufficient, what are the main reasons

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 8373 Invalid: 12650

Type: Discrete Decimal: 0 Width: 28 Range: 1 - 6 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No livestock at home	1377	16.4%
2	Few livestock at home	5508	65.8%
3	Not available on market	169	2%
4	Lack of financial means	557	6.7%
5	Lack of transport facilities	677	8.1%
6	Other reason (specify)	85	1%

Sysmiss		12650	
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### S3Q6\_2: 3.6\_2 If the organic fertilizer used was not sufficient, what are the main reasons?

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 3822 Invalid: 17201

Type: Discrete Decimal: 0 Width: 28 Range: 1 - 6 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No livestock at home	0	0%
2	Few livestock at home	13	0.3%
3	Not available on market	266	7%
4	Lack of financial means	3093	80.9%
5	Lack of transport facilities	352	9.2%
6	Other reason (specify)	98	2.6%
Sysmiss		17201	

### S3Q7: 3.7 Did you use inorganic fertilizer in any of your plots during this season?

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 21023 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Yes	13076	62.2%
2	No	7947	37.8%

### S3Q8: 3.8 What is the main source of fertilizer used?

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 13076 Invalid: 7947

Type: Discrete    Decimal: 0    Width: 29    Range: 1 - 6    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Government (MINAGRI/RAB/NAEB)	918	7%
2	Agro-dealers	6718	51.4%
3	NGOs	4127	31.6%
4	Market	648	5%
5	Agriculture cooperative	552	4.2%
6	Other place	113	0.9%
Sysmiss		7947	

## S3Q9: 3.9 Have you used inorganic fertilizer in this plot during this season?

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

### Overview

Valid: 19882    Invalid: 1141

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	8318	41.8%
2	No	11564	58.2%
Sysmiss		1141	

## S3Q10: 3.10 Type of inorganic fertilizer used

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

### Overview

Valid: 8318    Invalid: 12705

Type: Discrete    Decimal: 0    Width: 35    Range: 1 - 99    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	NPK 17-17-17;	1270	15.3%

2	NPK 20-10-10;	18	0.2%
3	NPK 25-5-5;	8	0.1%
4	NPK 22-6-12;	21	0.3%
5	Other NPK;	35	0.4%
6	Urea;	3179	38.2%
7	liquid urea (Mbonea Majimaji);	86	1%
8	DAP	3575	43%
9	TSP	1	0%
10	KCL/MOP,	6	0.1%
11	Omax;	10	0.1%
12	Winner;	8	0.1%
13	Yara Viva;	13	0.2%
14	Amidas;	22	0.3%
15	Cereal;	22	0.3%
16	Boaster;	3	0%
17	DI Grow;	16	0.2%
18	Dyna gro;	0	0%
19	Other type of fertilizer (specify).	25	0.3%
99	NA	0	0%
Sysmiss		12705	

### S3Q11: 3.11 Measurement unit

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 8318 Invalid: 12705

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 4 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Kg;	8196	98.5%
2	g;	0	0%
3	L,	109	1.3%
4	Cc	13	0.2%
Sysmiss		12705	

**S3Q12: 3.12 Total quantity used in this plot****Data file:** rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 8318   Invalid: 12705   Minimum: 0.12   Maximum: 540000   Mean: 639.145   Standard deviation: 8059.388

Type: Continuous   Decimal: 0   Width: 10   Range: 0.12 - 540000   Format: Numeric

**S3Q13: 3.13 Quantity purchased and used in this plot****Data file:** rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 8318   Invalid: 12705   Minimum: -25   Maximum: 141200   Mean: 549.633   Standard deviation: 4654.773

Type: Continuous   Decimal: 0   Width: 12   Range: -25 - 141200   Format: Numeric

**S3Q14: 3.14 Unit price (Rwf)****Data file:** rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 8119   Invalid: 12904   Minimum: 1   Maximum: 12000   Mean: 535.606   Standard deviation: 384.761

Type: Continuous   Decimal: 0   Width: 12   Range: 1 - 12000   Format: Numeric

**S3Q15: 3.15 Main crops to be fertilized?****Data file:** rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 8315   Invalid: 12708

Type: Discrete   Decimal: 0   Width: 34   Range: 101 - 510   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
101	Maize	5040	60.6%
102	Paddy rice	239	2.9%
103	Sorghum	35	0.4%
104	Wheat	50	0.6%
105	Other cereal(specify)	0	0%
106	Bush bean	210	2.5%
107	Climbing bean	658	7.9%
108	Pea	21	0.3%
109	Other pulse(specify)	0	0%

110	Irish potato	1078	13%
111	Sweet potato	16	0.2%
112	Taro	19	0.2%
113	Yams	0	0%
114	Other tubers(specify)	0	0%
115	Tomato	241	2.9%
116	Cabbage	40	0.5%
117	Cauliflower	2	0%
118	Onion	33	0.4%
119	Carrot	35	0.4%
120	Eggplant	125	1.5%
121	Other seasonal vegetables(specify)	4	0%
122	Soybean	55	0.7%
123	Groundnut	17	0.2%
124	Sun flower	0	0%
125	Black eggplant	3	0%
126	Sweet pepper	14	0.2%
127	Amaranth	15	0.2%
128	Celery	8	0.1%
129	Spinach	1	0%
130	Small red bean	0	0%
131	Sugar beet	3	0%
132	Garlic	25	0.3%
133	African cabbage	0	0%
134	Leek	1	0%
135	French beans	32	0.4%
136	Letus	2	0%
137	Broccoli	3	0%
138	Millet	9	0.1%
139	Cucumber	0	0%
140	Other seasonal crops(specify).	5	0.1%
201	Pyrethrum	0	0%
202	Pepper	29	0.3%
203	Pumpkin	5	0.1%
204	Napia grass	0	0%
205	Sugar cane	10	0.1%
206	Other annual crops (specify).	6	0.1%
301	Cooking banana	22	0.3%
302	Dessert banana	5	0.1%



303	Banana for beer	10	0.1%
304	Coffee	35	0.4%
305	Cassava	35	0.4%
306	Mulberry	0	0%
307	Jatropha	0	0%
308	Stevia	2	0%
309	Macadamia	4	0%
310	Tea	0	0%
311	Other perennial crop (Specify).	1	0%
401	Tree tomato	51	0.6%
402	Pineapple	0	0%
403	Avocado	0	0%
404	Passion fruits	19	0.2%
405	Palm	0	0%
406	Mango	2	0%
407	Apple	0	0%
408	Papaya	0	0%
409	Orange	3	0%
410	Lemon	0	0%
411	Guava	0	0%
412	Olive	0	0%
413	Water melon	15	0.2%
414	Other fruits (specify).	0	0%
415	Mandoline	0	0%
416	Jack Fruits	0	0%
417	Goosebery	0	0%
418	Strawberry	0	0%
419	Coeur de boeuf	0	0%
501	Napia grass for fodder	10	0.1%
502	Maize for fodder	7	0.1%
503	Soybean for fodder	2	0%
504	Leucena	0	0%
505	Desmodium	0	0%
506	Mucuna	0	0%
507	Setaria	0	0%
508	Tripsacum	0	0%
509	Herbaceous	0	0%
510	Other fodder crop (specify).	3	0%
Sysmiss		12708	

**S3Q16: 3.16 Did you use any type of micro-nutrients in any of your plots in this season****Data file:** rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 21023    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	520	2.5%
2	No	20503	97.5%

**S3Q17: 3.17 Did you use any type of micro-nutrients in this plot during this season?****Data file:** rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 21023    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	246	1.2%
2	No	20777	98.8%

**S3Q18: 3.18 Did you use pesticide/Fungicide in any of your plots during this season?****Data file:** rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 21023    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	9077	43.2%

2	No	11946	56.8%
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### S3Q19: 3.19 Have you used pesticide/Fungicide in this plot during this current season?

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 21023 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Yes	6268	29.8%
2	No	14755	70.2%

### S3Q20: 3.20 Pesticide type

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5134 Invalid: 15889  
 Type: Discrete Decimal: 0 Width: 36 Range: 1 - 99 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Dithane	1180	23%
2	Ridomil	418	8.1%
3	Dimethoate (DUDU)	357	7%
4	Cypermethrin	777	15.1%
5	Dursiban	7	0.1%
6	Tilt	0	0%
7	Pilkare	1	0%
8	Rocket	1805	35.2%
9	Beam	85	1.7%
10	Lava	22	0.4%
11	Rodazim	10	0.2%
12	Thiovit	9	0.2%
13	Safari max	80	1.6%

14	Victory	8	0.2%
15	Copper (akaribata)	13	0.3%
16	Supra	3	0.1%
17	Alfatox	1	0%
18	Daconil	1	0%
19	Vendex	1	0%
20	Ortivatop	2	0%
21	Mastercop	2	0%
22	Atoce	0	0%
23	Lambdex	25	0.5%
24	Evisect	0	0%
25	Prove	1	0%
26	Abamectin	21	0.4%
27	Fenvalerate	0	0%
28	Copper oxychloride	34	0.7%
29	Othello	0	0%
30	Balcolex	0	0%
31	Cabrio	5	0.1%
32	Commando	8	0.2%
33	Confidor	0	0%
34	Cypro	8	0.2%
35	Easygrowth	14	0.3%
36	Endofil	2	0%
37	Indofil M 45	3	0.1%
38	Safari	4	0.1%
39	Jacket	8	0.2%
40	Lambda	5	0.1%
41	Mancozeb	29	0.6%
42	Millmax	11	0.2%
43	Miovit	6	0.1%
44	Octiva	0	0%
45	Orius	0	0%
46	Ramdan	8	0.2%
47	Profex super	19	0.4%
48	Round all	0	0%
49	Safari Zeb	18	0.4%
50	Scower	0	0%
51	Sumithio	9	0.2%
52	Vital	8	0.2%

53	Other pesticides/fungicides(specify)	106	2.1%
99	NA	0	0%
Sysmiss		15889	

### S3Q21: 3.21 Pesticide unit

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5134 Invalid: 15889

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 4 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Kg;	1526	29.7%
2	g;	408	7.9%
3	L,	770	15%
4	Cc	2430	47.3%
Sysmiss		15889	

### S3Q22: 3.22 Total Quantity of pesticide used

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5134 Invalid: 15889 Minimum: 0.01 Maximum: 240440 Mean: 217.281 Standard deviation: 4613.015

Type: Continuous Decimal: 0 Width: 10 Range: 0.01 - 240440 Format: Numeric

### S3Q23: 3.23 Quantity of Pesticide purchased in this plot

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5134 Invalid: 15889 Minimum: 0 Maximum: 240440 Mean: 215.873 Standard deviation: 4613.014

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 240440 Format: Numeric

### S3Q24: 3.24 Total amount spent on quantity bought (Rwf)

Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides

**Overview**

Valid: 5042   Invalid: 15981   Minimum: 0   Maximum: 99000   Mean: 8395.905   Standard deviation: 15094.347  
Type: Continuous   Decimal: 0   Width: 12   Range: 0 - 99000   Format: Numeric

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**PLOT\_WEIGHT: Plot weight**

**Data file: rwa-sas-SeasonA\_PartIII\_Fertilizers\_Pesticides**

**Overview**

Valid: 21023   Invalid: 0   Minimum: 1   Maximum: 22477.514   Mean: 800.93   Standard deviation: 1012.131  
Type: Continuous   Decimal: 0   Width: 12   Range: 1 - 22477.5144092282   Format: Numeric

---

**SEGMENT\_ID: 1.0 Segment identification****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 16830   Invalid: 0   Minimum: 12001   Maximum: 574051   Mean: 361444.329   Standard deviation: 147071.469

Type: Continuous   Decimal: 0   Width: 10   Range: 12001 - 574051   Format: Numeric

**S1Q1: 1.1 Province****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 16830   Invalid: 0

Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 5   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	922	5.5%
2	South	4320	25.7%
3	West	3478	20.7%
4	North	2913	17.3%
5	East	5197	30.9%

**S1Q2: 1.2 District name & code****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 16830   Invalid: 0

Type: Discrete   Decimal: 0   Width: 10   Range: 11 - 57   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	240	1.4%
12	Gasabo	438	2.6%
13	Kicukiro	244	1.4%
21	Nyanza	613	3.6%
22	Gisagara	521	3.1%
23	Nyaruguru	388	2.3%

24	Huye	532	3.2%
25	Nyamagabe	525	3.1%
26	Ruhango	622	3.7%
27	Muhanga	515	3.1%
28	Kamonyi	604	3.6%
31	Karongi	498	3%
32	Rutsiro	455	2.7%
33	Rubavu	440	2.6%
34	Nyabihu	466	2.8%
35	Ngororero	579	3.4%
36	Rusizi	549	3.3%
37	Nyamasheke	491	2.9%
41	Rulindo	502	3%
42	Gakenke	680	4%
43	Musanze	534	3.2%
44	Burera	582	3.5%
45	Gicumbi	615	3.7%
51	Rwamagana	775	4.6%
52	Nyagatare	722	4.3%
53	Gatsibo	798	4.7%
54	Kayonza	605	3.6%
55	Kirehe	760	4.5%
56	Ngoma	733	4.4%
57	Bugesera	804	4.8%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 16830 Invalid: 0

Type: Discrete Decimal: 0 Width: 35 Range: 0 - 40 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	LSF	883	5.2%
10	10 Intensive cropland on hillsides	13753	81.7%
20	20 Intensive cropland in marshlands	719	4.3%



30	30 Rangelands	135	0.8%
40	40 Mixed	1340	8%

### S1Q4: 1.4 Segment

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 16830 Invalid: 0 Minimum: 0 Maximum: 68 Mean: 19.864 Standard deviation: 13.205  
Type: Continuous Decimal: 0 Width: 8 Range: 0 - 68 Format: Numeric

### S1Q6: 1.6 Farmer ID

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 16830 Invalid: 0 Minimum: 1 Maximum: 81 Mean: 11.998 Standard deviation: 7.571  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 81 Format: Numeric

### S1Q8: 1.8 Gender

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 16273 Invalid: 557  
Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Male	9821	60.4%
2	Female	6452	39.6%
Sysmiss		557	

### S1Q9: 1.9 Age

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 16268 Invalid: 562 Minimum: 6 Maximum: 102 Mean: 48.396 Standard deviation: 14.707  
Type: Continuous Decimal: 0 Width: 8 Range: 6 - 102 Format: Numeric

**S2Q1: 2.1 Plot No****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 16830    Invalid: 0    Minimum: 1    Maximum: 65    Mean: 12.563    Standard deviation: 7.553  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 65    Format: Numeric

**S2Q2: 2.2 Plot area (m2)****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 16830    Invalid: 0    Minimum: 27.848    Maximum: 10203921    Mean: 16004.408    Standard deviation: 214222.395  
 Type: Continuous    Decimal: 0    Width: 10    Range: 27.8480338296642 - 10203921    Format: Numeric

**S3Q25: 3.25 Does this plot belong to consolidated site in this season?****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 16830    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	1270	7.5%
2	No	15560	92.5%

**S3Q26\_1: 3.26 What do you gain as support from land consolidation program?****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 1270    Invalid: 15560  
 Type: Discrete    Decimal: 0    Width: 31    Range: 1 - 8    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Seeds	322	25.4%
2	Fertilizer	140	11%

3	Access to irrigation facilities	18	1.4%
4	Access to storage facilities	14	1.1%
5	Access to market	60	4.7%
6	Extension services	147	11.6%
7	=No benefit	561	44.2%
8	Other(Specify)	8	0.6%
Sysmiss		15560	

### S3Q26\_2: 3.26 What do you gain as support from land consolidation program?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 444 Invalid: 16386

Type: Discrete Decimal: 0 Width: 31 Range: 1 - 8 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Seeds	0	0%
2	Fertilizer	262	59%
3	Access to irrigation facilities	20	4.5%
4	Access to storage facilities	17	3.8%
5	Access to market	56	12.6%
6	Extension services	82	18.5%
7	=No benefit	0	0%
8	Other(Specify)	7	1.6%
Sysmiss		16386	

### S3Q26\_3: 3.26 What do you gain as support from land consolidation program?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 251 Invalid: 16579

Type: Discrete Decimal: 0 Width: 31 Range: 1 - 8 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
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1	Seeds	0	0%
2	Fertilizer	0	0%
3	Access to irrigation facilities	47	18.7%
4	Access to storage facilities	19	7.6%
5	Access to market	84	33.5%
6	Extension services	92	36.7%
7	=No benefit	0	0%
8	Other(Specify)	9	3.6%
Sysmiss		16579	

### S3Q26\_4: 3.26 What do you gain as support from land consolidation program?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 107 Invalid: 16723

Type: Discrete Decimal: 0 Width: 31 Range: 1 - 8 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Seeds	0	0%
2	Fertilizer	0	0%
3	Access to irrigation facilities	0	0%
4	Access to storage facilities	4	3.7%
5	Access to market	27	25.2%
6	Extension services	69	64.5%
7	=No benefit	0	0%
8	Other(Specify)	7	6.5%
Sysmiss		16723	

### S4Q1: 4.1 What is the degree of erosion on this plot?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 16830 Invalid: 0

Type: Discrete Decimal: 0 Width: 87 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Severe (Rill erosion, Gully erosion, Mass movement/landslides)	334	2%
2	Moderate (Diffuse overland flow Erosion, Overland flow erosion, erosion by Infiltration)	2114	12.6%
3	Low (Wind erosion)	5413	32.2%
4	Very Low (Splash erosion)	8969	53.3%

### S4Q2: 4.2 Is there any anti-erosion activity in any of your plots?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 16830 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	14951	88.8%
2	No	1879	11.2%

### S4Q3: 4.3 Is there any anti-erosion activity on this plot?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 14951 Invalid: 1879

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	12681	84.8%
2	No	2270	15.2%
Sysmiss		1879	

**S4Q4: 4.4 Were these anti-erosion activities done during the current agricultural seas****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 12686 Invalid: 4144

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	1298	10.2%
2	No	11388	89.8%
Sysmiss		4144	

**S4Q5: 4.5 What is the total cost of anti-erosion activities done during this season (F****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 1298 Invalid: 15532 Minimum: 0 Maximum: 4000000 Mean: 20695.642 Standard deviation: 173509.099

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 4000000 Format: Numeric

**S4Q6: 4.6 Did you use any mechanical equipment for agriculture activities in any of yo****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 16830 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	238	1.4%
2	No	16592	98.6%

**S4Q7: 4.7 Did you use any mechanical equipment for agriculture activities on this plot****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 238 Invalid: 16592

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	102	42.9%
2	No	136	57.1%
Sysmiss		16592	

## S4Q8\_1: 4.8.1 Have you used ploughing animals (oxen) in this plot during this season?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

### Overview

Valid: 102    Invalid: 16728

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	0	0%
2	No	102	100%
Sysmiss		16728	

## S4Q8\_2: 4.8.2 At which stage of agriculture practice have you used animal ploughing?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

### Overview

Valid: 0    Invalid: 0

Type: Discrete    Width: 1    Range: -    Format: character

## S4Q8\_3: 4.8.3 Amount paid on ploughing animals during this season (Rwf)

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

### Overview

Valid: 1    Invalid: 16829

Type: Discrete    Decimal: 0    Width: 12    Range: 0 - 0    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		1	100%
Sysmiss		16829	

### S4Q9\_1: 4.9.1 Have you used a ploughing tractor in this plot during this season?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 102 Invalid: 16728

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	98	96.1%
2	No	4	3.9%
Sysmiss		16728	

### S4Q9\_2\_1: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 98 Invalid: 16732

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Ploughing	97	99%
2	Soil leveling	1	1%
3	Raking	0	0%
4	Manuring	0	0%
5	Sowing	0	0%
6	Weeding	0	0%
7	Irrigation	0	0%



8	Harvesting	0	0%
9	Threshing	0	0%
10	Winnowing	0	0%
11	Harvest packing	0	0%
12	Pesticides Spraying	0	0%
13	Other stage of agriculture practice(Specify)	0	0%
Sysmiss		16732	

#### S4Q9\_2\_2: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

##### Overview

Valid: 67 Invalid: 16763

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

##### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Ploughing	0	0%
2	Soil leveling	62	92.5%
3	Raking	0	0%
4	Manuring	0	0%
5	Sowing	5	7.5%
6	Weeding	0	0%
7	Irrigation	0	0%
8	Harvesting	0	0%
9	Threshing	0	0%
10	Winnowing	0	0%
11	Harvest packing	0	0%
12	Pesticides Spraying	0	0%
13	Other stage of agriculture practice(Specify)	0	0%
Sysmiss		16763	

#### S4Q9\_2\_3: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

##### Overview

Valid: 22 Invalid: 16808

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Ploughing	0	0%
2	Soil leveling	0	0%
3	Raking	9	40.9%
4	Manuring	0	0%
5	Sowing	11	50%
6	Weeding	0	0%
7	Irrigation	2	9.1%
8	Harvesting	0	0%
9	Threshing	0	0%
10	Winnowing	0	0%
11	Harvest packing	0	0%
12	Pesticides Spraying	0	0%
13	Other stage of agriculture practice(Specify)	0	0%
Sysmiss		16808	

### S4Q9\_2\_4: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 6 Invalid: 16824

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Ploughing	0	0%
2	Soil leveling	0	0%
3	Raking	0	0%
4	Manuring	1	16.7%
5	Sowing	0	0%
6	Weeding	0	0%
7	Irrigation	3	50%
8	Harvesting	0	0%
9	Threshing	2	33.3%

10	Winnowing	0	0%
11	Harvest packing	0	0%
12	Pesticides Spraying	0	0%
13	Other stage of agriculture practice(Specify)	0	0%
Sysmiss		16824	

### S4Q9\_2\_5: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 3 Invalid: 16827

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Ploughing	0	0%
2	Soil leveling	0	0%
3	Raking	0	0%
4	Manuring	0	0%
5	Sowing	1	33.3%
6	Weeding	0	0%
7	Irrigation	0	0%
8	Harvesting	0	0%
9	Threshing	1	33.3%
10	Winnowing	0	0%
11	Harvest packing	0	0%
12	Pesticides Spraying	1	33.3%
13	Other stage of agriculture practice(Specify)	0	0%
Sysmiss		16827	

### S4Q9\_3: 4.9.3 Amount paid on ploughing tractor (Rwf) in this season?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 98 Invalid: 16732 Minimum: 0 Maximum: 9736818 Mean: 999062.398 Standard deviation: 1797500.668

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 9736818 Format: Numeric

**S4Q10\_1: 4.10.1 Have you used any other mechanical equipment not mentioned in this plot d****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 102 Invalid: 16728

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	2	2%
2	No	100	98%
Sysmiss		16728	

**S4Q10\_2: 4.10.2 At which stage of agriculturepractices have you used other mechanical equ****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 0 Invalid: 16830

Type: Discrete Decimal: 0 Width: 9 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
Sysmiss	

**S4Q10\_3: 4.10.3 Name of other mechanical equipment used during this season****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 2 Invalid: 0

Type: Discrete Width: 16 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		1	50%

ICYUMA KIVUNGURA		1	50%
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#### **S4Q10\_4: 4.10.4 Amount paid for the other mechanical equipment in this season? (Rwf)**

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

##### **Overview**

Valid: 2    Invalid: 16828    Minimum: 80000    Maximum: 1500000    Mean: 790000    Standard deviation: 1004091.629

Type: Continuous    Decimal: 0    Width: 12    Range: 80000 - 1500000    Format: Numeric

#### **S4Q11: 4.11 Amount spent on hired labor used to prepare land, sowing and any other agri**

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

##### **Overview**

Valid: 16830    Invalid: 0    Minimum: 0    Maximum: 9955000    Mean: 58359.632    Standard deviation: 450826.562

Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 9955000    Format: Numeric

#### **S4Q12: 4.12 Did you practice irrigation in any of your plots during this agricultural s**

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

##### **Overview**

Valid: 16830    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

##### **Questions and instructions**

##### **CATEGORIES**

Value	Category	Cases	
1	Yes	1317	7.8%
2	No	15513	92.2%

#### **S4Q13: 4.13 Has this plot been irrigated during this agricultural season?**

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

##### **Overview**

Valid: 1317    Invalid: 15513

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

##### **Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	439	33.3%
2	No	878	66.7%
Sysmiss		15513	

**S4Q14: 4.14 What is irrigation technique used on this plot?****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 439 Invalid: 16391

Type: Discrete Decimal: 0 Width: 38 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Surface irrigation	70	15.9%
2	Flood irrigation (especially for rice)	102	23.2%
3	Drip irrigation	15	3.4%
4	Sprinkler irrigation	30	6.8%
5	Pivot irrigation	26	5.9%
6	Traditional techniques	196	44.6%
Sysmiss		16391	

**S4Q15\_1: 4.15 What is the source of water for irrigation?****Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice**Overview**

Valid: 439 Invalid: 16391

Type: Discrete Decimal: 0 Width: 22 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Rainwater harvesting	20	4.6%
2	Water treatment plant	19	4.3%
3	Underground water	130	29.6%
4	Lake/stream water	224	51%

5	Water catchment(dam)	46	10.5%
6	Other source (specify)	0	0%
Sysmiss		16391	

### S4Q15\_2: 4.15 What is the source of water for irrigation?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 19 Invalid: 16811

Type: Discrete Decimal: 0 Width: 22 Range: 1 - 6 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Rainwater harvesting	0	0%
2	Water treatment plant	2	10.5%
3	Underground water	1	5.3%
4	Lake/stream water	4	21.1%
5	Water catchment(dam)	12	63.2%
6	Other source (specify)	0	0%
Sysmiss		16811	

### S4Q16\_1: 4.16 What is the irrigation tool have you used?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 439 Invalid: 16391

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Irrigation machine	60	13.7%
2	Pump	36	8.2%
3	Tube wells	27	6.2%
4	Water can	156	35.5%
5	Water channels	116	26.4%
6	Jerycan/basin	44	10%

7	Other tool(specify)	0	0%
Sysmiss		16391	

### S4Q16\_2: 4.16 What is the irrigation tool have you used?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 72 Invalid: 16758

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Irrigation machine	0	0%
2	Pump	0	0%
3	Tube wells	34	47.2%
4	Water can	5	6.9%
5	Water channels	10	13.9%
6	Jerycan/basin	22	30.6%
7	Other tool(specify)	1	1.4%
Sysmiss		16758	

### S4Q16\_3: 4.16 What is the irrigation tool have you used?

Data file: rwa-sas-SeasonA\_PartIV\_Agricultural practice

#### Overview

Valid: 3 Invalid: 16827

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Irrigation machine	0	0%
2	Pump	0	0%
3	Tube wells	0	0%
4	Water can	0	0%
5	Water channels	1	33.3%
6	Jerycan/basin	1	33.3%



7	Other tool(specify)	1	33.3%
Sysmiss		16827	

#### **S4Q17: 4.17 What is the cost spent for irrigation activities? (Rwf)**

**Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice

##### **Overview**

Valid: 439    Invalid: 16391    Minimum: 0    Maximum: 9300000    Mean: 384518.661    Standard deviation: 1074510.904

Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 9300000    Format: Numeric

#### **PLOT\_WEIGHT: Plot weight**

**Data file:** rwa-sas-SeasonA\_PartIV\_Agricultural practice

##### **Overview**

Valid: 15947    Invalid: 883    Minimum: 13.423    Maximum: 22477.514    Mean: 888.398    Standard deviation: 1062.432

Type: Continuous    Decimal: 0    Width: 12    Range: 13.4234594769961 - 22477.5144092282    Format: Numeric

**SEGMENT\_ID: Segment Identification****Data file:** rwa-sas-seasonA\_Screening\_Agroforestry**Overview**

Valid: 27564   Invalid: 0   Minimum: 12001   Maximum: 574051   Mean: 355230.598   Standard deviation: 151299.307

Type: Continuous   Decimal: 0   Width: 10   Range: 12001 - 574051   Format: Numeric

**S1Q1: 1.1 Province****Data file:** rwa-sas-seasonA\_Screening\_Agroforestry**Overview**

Valid: 27564   Invalid: 0

Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 5   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	1598	5.8%
2	South	7204	26.1%
3	West	5745	20.8%
4	North	4367	15.8%
5	East	8650	31.4%

**S1Q2: 1.2 District****Data file:** rwa-sas-seasonA\_Screening\_Agroforestry**Overview**

Valid: 27564   Invalid: 0

Type: Discrete   Decimal: 0   Width: 10   Range: 11 - 57   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	388	1.4%
12	Gasabo	748	2.7%
13	Kicukiro	462	1.7%
21	Nyanza	1020	3.7%
22	Gisagara	862	3.1%
23	Nyaruguru	692	2.5%

24	Huye	819	3%
25	Nyamagabe	906	3.3%
26	Ruhango	984	3.6%
27	Muhanga	942	3.4%
28	Kamonyi	979	3.6%
31	Karongi	924	3.4%
32	Rutsiro	796	2.9%
33	Rubavu	596	2.2%
34	Nyabihu	687	2.5%
35	Ngororero	902	3.3%
36	Rusizi	927	3.4%
37	Nyamasheke	913	3.3%
41	Rulindo	806	2.9%
42	Gakenke	1014	3.7%
43	Musanze	791	2.9%
44	Burera	786	2.9%
45	Gicumbi	970	3.5%
51	Rwamagana	1298	4.7%
52	Nyagatare	1199	4.3%
53	Gatsibo	1331	4.8%
54	Kayonza	978	3.5%
55	Kirehe	1214	4.4%
56	Ngoma	1236	4.5%
57	Bugesera	1394	5.1%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-seasonA\_Screening\_Agroforestry

#### Overview

Valid: 27564    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 35    Range: 0 - 40    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	LSF/Site for season C	1815	6.6%
10	10 Intensive cropland on hillsides	21621	78.4%
20	20 Intensive cropland in marshlands	1192	4.3%

30	30 Rangelands	342	1.2%
40	40 Mixed	2594	9.4%

## S1Q4: 1.4 Segment number

Data file: rwa-sas-seasonA\_Screening\_Agroforestry

### Overview

Valid: 25749   Invalid: 1815   Minimum: 1   Maximum: 68   Mean: 20.955   Standard deviation: 12.845  
 Type: Continuous   Decimal: 0   Width: 8   Range: 1 - 68   Format: Numeric

## S2Q1: 2.1 Plot number

Data file: rwa-sas-seasonA\_Screening\_Agroforestry

### Overview

Valid: 27564   Invalid: 0   Minimum: 1   Maximum: 65   Mean: 12.285   Standard deviation: 7.655  
 Type: Continuous   Decimal: 0   Width: 10   Range: 1 - 65   Format: Numeric

## S2Q6: 2.6 Plot land use

Data file: rwa-sas-seasonA\_Screening\_Agroforestry

### Overview

Valid: 27564   Invalid: 0  
 Type: Discrete   Decimal: 0   Width: 16   Range: 96 - 99   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
96	Agricultural	21120	76.6%
97	Pasture	590	2.1%
98	Fallow	1836	6.7%
99	Non agricultural	4018	14.6%

## S2Q7: 2.7 Nonagricultural Land Type

Data file: rwa-sas-seasonA\_Screening\_Agroforestry

### Overview

Valid: 4018   Invalid: 23546  
 Type: Discrete   Decimal: 0   Width: 19   Range: 1 - 7   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Buildings	1324	33%
2	Road or Path	479	11.9%
3	Forest or Bush	1920	47.8%
4	Bare or Rocky soil	70	1.7%
5	Unmanaged marshland	18	0.4%
6	Water body	125	3.1%
7	Other(specify)	82	2%
Sysmiss		23546	

### S2Q10: 2.10 Is there any agroforestry practices on this plot?

Data file: rwa-sas-seasonA\_Screening\_Agroforestry

#### Overview

Valid: 23546 Invalid: 4018

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	10309	43.8%
2	No	13237	56.2%
Sysmiss		4018	

### S2Q11: 2.11 Types of agroforestry trees planted in this plot?

Data file: rwa-sas-seasonA\_Screening\_Agroforestry

#### Overview

Valid: 10309 Invalid: 17255

Type: Discrete Decimal: 0 Width: 37 Range: 1 - 15 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Calliandra	519	5%

2	Leucaena	175	1.7%
3	Sesbania	74	0.7%
4	Acacia	856	8.3%
5	Erythrina	289	2.8%
6	Casuarina	15	0.1%
7	Maesopsis	50	0.5%
8	Alnus acuminata	623	6%
9	Grevillea	4028	39.1%
10	Fruits trees	537	5.2%
11	Markhamia lutea(umusave)	1337	13%
12	Tephrosia vogelii Hook. F. Teforosiya	33	0.3%
13	Vernonia amygdalina Del. Umubilizi	606	5.9%
14	Others(specify)	686	6.7%
15	Ikibonobono	481	4.7%
Sysmiss		17255	

## PLOT\_WEIGHT: Plot weight

Data file: rwa-sas-seasonA\_Screening\_Agroforestry

### Overview

Valid: 27391    Invalid: 173    Minimum: 1    Maximum: 25940.544    Mean: 878.068    Standard deviation: 1184.998  
 Type: Continuous    Decimal: 0    Width: 12    Range: 1 - 25940.5442991268    Format: Numeric

**SEGMENT\_ID: Segment Identification****Data file: rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation****Overview**

Valid: 30078    Invalid: 0    Minimum: 12001    Maximum: 574051    Mean: 347545.144    Standard deviation: 146719.683

Type: Continuous    Decimal: 0    Width: 10    Range: 12001 - 574051    Format: Numeric

**S1Q1: 1.1 Province****Data file: rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation****Overview**

Valid: 30078    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	1640	5.5%
2	South	8698	28.9%
3	West	6347	21.1%
4	North	5096	16.9%
5	East	8297	27.6%

**S1Q2: 1.2 District****Data file: rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation****Overview**

Valid: 30078    Invalid: 0

Type: Discrete    Decimal: 0    Width: 10    Range: 11 - 57    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	400	1.3%
12	Gasabo	769	2.6%
13	Kicukiro	471	1.6%
21	Nyanza	1182	3.9%
22	Gisagara	851	2.8%
23	Nyaruguru	949	3.2%

24	Huye	934	3.1%
25	Nyamagabe	1184	3.9%
26	Ruhango	1199	4%
27	Muhanga	1202	4%
28	Kamonyi	1197	4%
31	Karongi	1063	3.5%
32	Rutsiro	875	2.9%
33	Rubavu	638	2.1%
34	Nyabihu	813	2.7%
35	Ngororero	1053	3.5%
36	Rusizi	916	3%
37	Nyamasheke	989	3.3%
41	Rulindo	1024	3.4%
42	Gakenke	1074	3.6%
43	Musanze	827	2.7%
44	Burera	1007	3.3%
45	Gicumbi	1164	3.9%
51	Rwamagana	1351	4.5%
52	Nyagatare	1236	4.1%
53	Gatsibo	1180	3.9%
54	Kayanza	902	3%
55	Kirehe	1141	3.8%
56	Ngoma	1103	3.7%
57	Bugesera	1384	4.6%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation

#### Overview

Valid: 30078    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 35    Range: 0 - 40    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	LSF/Site for season C	1927	6.4%
10	10 Intensive cropland on hillsides	23690	78.8%
20	20 Intensive cropland in marshlands	1371	4.6%



30	30 Rangelands	342	1.1%
40	40 Mixed	2748	9.1%

## S1Q4: 1.4 Segment number

Data file: rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation

### Overview

Valid: 28151 Invalid: 1927 Minimum: 1 Maximum: 68 Mean: 20.803 Standard deviation: 12.632  
 Type: Continuous Decimal: 0 Width: 8 Range: 1 - 68 Format: Numeric

## S2Q1: 2.1 Plot number

Data file: rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation

### Overview

Valid: 30078 Invalid: 0 Minimum: 1 Maximum: 65 Mean: 12.309 Standard deviation: 7.608  
 Type: Continuous Decimal: 0 Width: 10 Range: 1 - 65 Format: Numeric

## S2Q5\_2: 2.5.2 Farmer ID

Data file: rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation

### Overview

Valid: 29514 Invalid: 564 Minimum: 1 Maximum: 57046 Mean: 2875.707 Standard deviation: 11501.909  
 Type: Continuous Decimal: 0 Width: 8 Range: 1 - 57046 Format: Numeric

## S2Q6: 2.6 Plot land use

Data file: rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation

### Overview

Valid: 30078 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 16 Range: 96 - 99 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
96	Agricultural	23501	78.1%
97	Pasture	589	2%
98	Fallow	1970	6.5%
99	Non agricultural	4018	13.4%

**S2Q7: 2.7 Nonagricultural Land Type****Data file:** rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation**Overview**

Valid: 4018 Invalid: 26060

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Buildings	1324	33%
2	Road or Path	479	11.9%
3	Forest or Bush	1920	47.8%
4	Bare or Rocky soil	70	1.7%
5	Unmanaged marshland	18	0.4%
6	Water body	125	3.1%
7	Other(specify)	82	2%
Sysmiss		26060	

**S2Q8: 2.8 Is there any antierosion activity on this plot?****Data file:** rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation**Overview**

Valid: 26060 Invalid: 4018

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	19884	76.3%
2	No	6176	23.7%
Sysmiss		4018	

**S2Q9: 2.9 Types of anti erosion activities****Data file:** rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation**Overview**

Valid: 19884 Invalid: 10194

Type: Discrete Decimal: 0 Width: 28 Range: 1 - 10 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Ditches	1688	8.5%
2	Trees/Windbreak/Shelterbelt	1428	7.2%
3	Bench terraces	966	4.9%
4	Progressive terraces	1906	9.6%
5	Cover plants/Grasses	10963	55.1%
6	Water drainage	356	1.8%
7	Mulching	452	2.3%
8	Beds/Ridges	1102	5.5%
9	Water channel	898	4.5%
10	Other(specify)	125	0.6%
Sysmiss		10194	

### S2Q12: 2.12 Is this plot located in land consolidation site in this season?

Data file: rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation

#### Overview

Valid: 23501 Invalid: 6577

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	2038	8.7%
2	No	21463	91.3%
Sysmiss		6577	

### PLOT\_WEIGHT: Plot weight

Data file: rwa-sas-seasonA\_Screening\_Antierosion\_land consolidation

#### Overview

Valid: 29870 Invalid: 208 Minimum: 1 Maximum: 25940.544 Mean: 893.516 Standard deviation: 1184.4

Type: Continuous Decimal: 0 Width: 12 Range: 1 - 25940.5442991268 Format: Numeric

**SEGMENT\_ID: Segment Identification****Data file: rwa-sas-seasonA-Screening\_crops****Overview**

Valid: 53419    Invalid: 0    Minimum: 12001    Maximum: 574051    Mean: 361813.894    Standard deviation: 145793.834

Type: Continuous    Decimal: 0    Width: 10    Range: 12001 - 574051    Format: Numeric

**S1Q1: 1.1 Province****Data file: rwa-sas-seasonA-Screening\_crops****Overview**

Valid: 53419    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	3275	6.1%
2	South	15097	28.3%
3	West	10551	19.8%
4	North	7716	14.4%
5	East	16780	31.4%

**S1Q2: 1.2 District****Data file: rwa-sas-seasonA-Screening\_crops****Overview**

Valid: 53419    Invalid: 0

Type: Discrete    Decimal: 0    Width: 10    Range: 11 - 57    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	873	1.6%
12	Gasabo	1497	2.8%
13	Kicukiro	905	1.7%
21	Nyanza	2008	3.8%
22	Gisagara	2079	3.9%
23	Nyaruguru	1288	2.4%

24	Huye	2042	3.8%
25	Nyamagabe	1764	3.3%
26	Ruhango	2029	3.8%
27	Muhanga	1832	3.4%
28	Kamonyi	2055	3.8%
31	Karongi	1566	2.9%
32	Rutsiro	1264	2.4%
33	Rubavu	936	1.8%
34	Nyabihu	1012	1.9%
35	Ngororero	1975	3.7%
36	Rusizi	2004	3.8%
37	Nyamasheke	1794	3.4%
41	Rulindo	1618	3%
42	Gakenke	2005	3.8%
43	Musanze	1197	2.2%
44	Burera	1261	2.4%
45	Gicumbi	1635	3.1%
51	Rwamagana	2636	4.9%
52	Nyagatare	2095	3.9%
53	Gatsibo	2797	5.2%
54	Kayanza	1901	3.6%
55	Kirehe	2350	4.4%
56	Ngoma	2549	4.8%
57	Bugesera	2452	4.6%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-seasonA-Screening\_crops

#### Overview

Valid: 53419    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 35    Range: 0 - 40    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	LSF/Site for season C	2022	3.8%
10	10 Intensive cropland on hillsides	43727	81.9%
20	20 Intensive cropland in marshlands	2159	4%

30	30 Rangelands	530	1%
40	40 Mixed	4981	9.3%

### S1Q4: 1.4 Segment number

Data file: rwa-sas-seasonA-Screening\_crops

#### Overview

Valid: 51397    Invalid: 2022    Minimum: 1    Maximum: 68    Mean: 20.873    Standard deviation: 12.703  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 68    Format: Numeric

### S1Q7: 1.7 Number of grids sampled in the segment

Data file: rwa-sas-seasonA-Screening\_crops

#### Overview

Valid: 51397    Invalid: 2022  
 Type: Discrete    Decimal: 0    Width: 8    Range: 25 - 25    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
25		51397	100%
Sysmiss		2022	

### S2Q1: 2.1 Plot number

Data file: rwa-sas-seasonA-Screening\_crops

#### Overview

Valid: 53419    Invalid: 0    Minimum: 1    Maximum: 65    Mean: 12.537    Standard deviation: 7.476  
 Type: Continuous    Decimal: 0    Width: 10    Range: 1 - 65    Format: Numeric

### S2Q2: 2.2 Number of grid points that fall in this plot

Data file: rwa-sas-seasonA-Screening\_crops

#### Overview

Valid: 51397    Invalid: 2022    Minimum: 1    Maximum: 25    Mean: 1.199    Standard deviation: 1.084  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 25    Format: Numeric

**S2Q4: 2.4 Plot size (m2)****Data file:** rwa-sas-seasonA-Screening\_crops**Overview**

Valid: 53419   Invalid: 0   Minimum: 22.737   Maximum: 20200608   Mean: 9074.686   Standard deviation: 176002.794

Type: Continuous   Decimal: 0   Width: 8   Range: 22.7369441986084 - 20200608   Format: Numeric

**S2Q6: 2.6 Plot land use****Data file:** rwa-sas-seasonA-Screening\_crops**Overview**

Valid: 53419   Invalid: 0

Type: Discrete   Decimal: 0   Width: 16   Range: 96 - 99   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
96	Agricultural	47105	88.2%
97	Pasture	551	1%
98	Fallow	1745	3.3%
99	Non agricultural	4018	7.5%

**S2Q7: 2.7 Nonagricultural Land Type****Data file:** rwa-sas-seasonA-Screening\_crops**Overview**

Valid: 4018   Invalid: 49401

Type: Discrete   Decimal: 0   Width: 19   Range: 1 - 7   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Buildings	1324	33%
2	Road or Path	480	11.9%
3	Forest or Bush	1920	47.8%
4	Bare or Rocky soil	70	1.7%
5	Unmanaged marshland	18	0.4%
6	Water body	124	3.1%
7	Other(specify)	82	2%

Sysmiss		49401	
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## S2Q13: 2.13 Cropping system

Data file: rwa-sas-seasonA-Screening\_crops

### Overview

Valid: 47291 Invalid: 6128

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Pure Cropping	5647	11.9%
2	Mixed Cropping	41644	88.1%
Sysmiss		6128	

## S2Q14: 2.14 Number of main crops in the plot

Data file: rwa-sas-seasonA-Screening\_crops

### Overview

Valid: 47289 Invalid: 6130

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 7 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		5645	11.9%
2		9250	19.6%
3		10365	21.9%
4		8652	18.3%
5		7445	15.7%
6		4014	8.5%
7		1918	4.1%
Sysmiss		6130	

## S3Q1: 3.1 Crop name

Data file: rwa-sas-seasonA-Screening\_crops



**Overview**

Valid: 47655 Invalid: 5764

Type: Discrete Decimal: 0 Width: 42 Range: 101 - 510 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
101	Maize	8286	17.4%
102	Paddy rice	181	0.4%
103	Sorghum	705	1.5%
104	Wheat	109	0.2%
105	Other cereal(specify)	1	0%
106	Bush bean	6002	12.6%
107	Climbing bean	3092	6.5%
108	Pea	597	1.3%
109	Other pulse	0	0%
110	Irish potato	1806	3.8%
111	Sweet potato	2936	6.2%
112	Taro	1014	2.1%
113	Yams	22	0%
114	Other tubers	1	0%
115	Tomato	207	0.4%
116	Cabbage	76	0.2%
117	Cauliflower	4	0%
118	Onion	51	0.1%
119	Carrot	43	0.1%
120	Eggplant	178	0.4%
121	Other seasonal vegetables(specify)	11	0%
122	Soybean	1150	2.4%
123	Groundnut	614	1.3%
124	Sun flower	194	0.4%
125	Black eggplant	3	0%
126	Sweet pepper	25	0.1%
127	Amaranth	34	0.1%
128	celery	4	0%
129	Spinach	5	0%
130	Small red bean	13	0%
131	Sugar beet	11	0%
132	Garlic	23	0%

133	African cabbage	2	0%
134	Leek	7	0%
135	French beans	39	0.1%
136	Letus	3	0%
137	Broccoli	3	0%
138	Millet	50	0.1%
139	Cucumber	7	0%
140	Other seasonal crops	3	0%
201	Pyrethrum	15	0%
202	Pepper	29	0.1%
203	Pumpkin	26	0.1%
204	Napia grass	46	0.1%
205	Sugar cane	166	0.3%
206	Other annual crops(specify)	16	0%
300	Banana	0	0%
301	Cooking banana	3845	8.1%
302	Dessert banana	3469	7.3%
303	Banana for beer	4079	8.6%
304	Coffee	783	1.6%
305	Cassava	6426	13.5%
306	Mulberry	13	0%
307	Jatropha	1	0%
308	Stevia	2	0%
309	Macadamia	59	0.1%
310	Tea	109	0.2%
311	Other perennial crop(Specify)	19	0%
401	Tree tomato	115	0.2%
402	Pineapple	43	0.1%
403	Avocado	51	0.1%
404	Passion fruits	43	0.1%
405	Palm	11	0%
406	Mango	63	0.1%
407	Apple	1	0%
408	Papaya	17	0%
409	Orange	31	0.1%
410	Lemon	6	0%
411	Guava	5	0%
412	Oliver	3	0%
413	Water melon	13	0%

414	Mandarine	1	0%
415	Jack fruits	1	0%
416	Gooseberry	3	0%
417	Strawberry	0	0%
418	Sugar Apple/Coeur de Boeuf/Annona squamosa	0	0%
419	Other fruits(specify)	0	0%
501	Napia grass for fodder	170	0.4%
502	Maize for fodder	19	0%
503	Soybean for fodder	1	0%
504	Leucena	0	0%
505	Desmodium	4	0%
506	Mucuna	2	0%
507	Setaria	1	0%
508	Tripsacum	5	0%
509	Herbaceous pasture	366	0.8%
510	Other fodder crop	65	0.1%
Sysmiss		5764	

### S3Q4: 3.4 Number of banana plants

Data file: rwa-sas-seasonA-Screening\_crops

#### Overview

Valid: 11389    Invalid: 42030    Minimum: 0    Maximum: 14740    Mean: 59.873    Standard deviation: 248.608  
 Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 14740    Format: Numeric

### S3Q5: 3.5 Is this crop for this season?

Data file: rwa-sas-seasonA-Screening\_crops

#### Overview

Valid: 47289    Invalid: 6130  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	31472	66.6%
2	No	15817	33.4%
Sysmiss		6130	

**S3Q6: 3.6 What is the expected period for harvesting this crop****Data file:** rwa-sas-seasonA-Screening\_crops**Overview**

Valid: 47276    Invalid: 6143

Type: Discrete    Decimal: 0    Width: 17    Range: 1 - 22    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Before 01/12	8843	18.7%
2	Between 01-15 /12	1888	4%
3	Between 16- 31/12	5027	10.6%
4	Between 01-15/01	5751	12.2%
5	Between 16- 31/01	4375	9.3%
6	Between 01-28/02	10404	22%
7	After 28/02	10988	23.2%
8	Before 01/05	0	0%
9	Between 01-15/05	0	0%
10	Between 16-31/05	0	0%
11	Between 01- 15/06	0	0%
12	Between 16 -30/06	0	0%
13	Between 01-15/07	0	0%
14	Between 16-31/07	0	0%
15	Between 1-31/08	0	0%
16	After 31/08	0	0%
17	Before 31/07	0	0%
18	Between 01-15/08	0	0%
19	Between 16- 31/08	0	0%
20	Between 01-15/09	0	0%
21	Between 16 -30/09	0	0%
22	After 30/09	0	0%
Sysmiss		6143	

**PLOT\_WEIGHT: Plot weight****Data file:** rwa-sas-seasonA-Screening\_crops

## Overview

Valid: 53188    Invalid: 231    Minimum: 1    Maximum: 25940.544    Mean: 809.334    Standard deviation: 1047.01  
 Type: Continuous    Decimal: 0    Width: 12    Range: 1 - 25940.5442991268    Format: Numeric

## CROP\_AREA: Estimated Crop area in the farm(ha)

Data file: rwa-sas-seasonA-Screening\_crops

## Overview

Valid: 53419    Invalid: 0    Minimum: 0.000278    Maximum: 2020.061    Mean: 0.764    Standard deviation: 16.867  
 Type: Continuous    Decimal: 0    Width: 9    Range: 0.000278480321867391 - 2020.06079101562    Format: Numeric

## CROPGROUP: CropGroup

Data file: rwa-sas-seasonA-Screening\_crops

## Overview

Valid: 47656    Invalid: 5763  
 Type: Discrete    Decimal: 0    Width: 15    Range: 6 - 999    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
6	Fruits	407	0.9%
7	Vegetables	791	1.7%
8	Other crops	1233	2.6%
9	Other cereals	245	0.5%
10	Taro & Yams	1036	2.2%
11	Fodder crops	633	1.3%
101	Maize	8286	17.4%
102	Paddy rice	181	0.4%
103	Sorghum	705	1.5%
104	Wheat	109	0.2%
106	Bush bean	6015	12.6%
107	Climbing bean	3092	6.5%
108	Pea	597	1.3%
110	Irish potato	1806	3.8%
111	Sweet potato	2936	6.2%
122	Soybean	1150	2.4%
123	Groundnut	614	1.3%
301	Cooking banana	3845	8.1%

302	Dessert banana	3469	7.3%
303	Banana for beer	4079	8.6%
305	Cassava	6426	13.5%
999		1	0%
Sysmiss		5763	

**SEGMENT\_ID: 1.0 Segment identification****Data file: rwa-sas-seasonB\_Crop production****Overview**

Valid: 35773    Invalid: 0    Minimum: 12001    Maximum: 574051    Mean: 368160.621    Standard deviation: 147502.04

Type: Continuous    Decimal: 0    Width: 10    Range: 12001 - 574051    Format: Numeric

**S1Q1: 1.1 Province****Data file: rwa-sas-seasonB\_Crop production****Overview**

Valid: 35773    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	2097	5.9%
2	South	10393	29.1%
3	West	5845	16.3%
4	North	5140	14.4%
5	East	12298	34.4%

**S1Q2: 1.2 District name & code****Data file: rwa-sas-seasonB\_Crop production****Overview**

Valid: 35773    Invalid: 0

Type: Discrete    Decimal: 0    Width: 10    Range: 11 - 57    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	579	1.6%
12	Gasabo	931	2.6%
13	Kicukiro	587	1.6%
21	Nyanza	1464	4.1%
22	Gisagara	1478	4.1%
23	Nyaruguru	780	2.2%

24	Huye	1322	3.7%
25	Nyamagabe	1087	3%
26	Ruhango	1553	4.3%
27	Muhanga	1193	3.3%
28	Kamonyi	1516	4.2%
31	Karongi	937	2.6%
32	Rutsiro	832	2.3%
33	Rubavu	643	1.8%
34	Nyabihu	605	1.7%
35	Ngororero	1061	3%
36	Rusizi	595	1.7%
37	Nyamasheke	1172	3.3%
41	Rulindo	956	2.7%
42	Gakenke	1397	3.9%
43	Musanze	782	2.2%
44	Burera	781	2.2%
45	Gicumbi	1224	3.4%
51	Rwamagana	1816	5.1%
52	Nyagatare	1634	4.6%
53	Gatsibo	2119	5.9%
54	Kayanza	1525	4.3%
55	Kirehe	1747	4.9%
56	Ngoma	1603	4.5%
57	Bugesera	1854	5.2%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 35    Range: 0 - 40    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	LSF	1210	3.4%
10	Intensive cropland on hillsides	29880	83.5%
20	Intensive cropland in marshlands	1282	3.6%



30	Rangelands	357	1%
40	Mixed	3044	8.5%

## S1Q4: 1.4 Segment

Data file: rwa-sas-seasonB\_Crop production

### Overview

Valid: 35773 Invalid: 0 Minimum: 0 Maximum: 68 Mean: 20.616 Standard deviation: 13.208  
Type: Continuous Decimal: 0 Width: 8 Range: 0 - 68 Format: Numeric

## S1Q6: 1.6 Farmer ID

Data file: rwa-sas-seasonB\_Crop production

### Overview

Valid: 35773 Invalid: 0 Minimum: 1 Maximum: 55 Mean: 11.978 Standard deviation: 7.461  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 55 Format: Numeric

## S1Q7: 1.7 Farmer type

Data file: rwa-sas-seasonB\_Crop production

### Overview

Valid: 35641 Invalid: 132  
Type: Discrete Decimal: 0 Width: 53 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Small scale farmer as individual	34465	96.7%
2	Small Scale farmer as Cooperative/Company/Association,	102	0.3%
3	Large scale farmer as individual	575	1.6%
4	Large scale farmer as Cooperative/Company/Association	499	1.4%
Sysmiss		132	

## S1Q8: 1.8 Gender

Data file: rwa-sas-seasonB\_Crop production

### Overview

Valid: 35040 Invalid: 733  
Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Male	21369	61%
2	Female	13671	39%
Sysmiss		733	

### S1Q9: 1.9 Age

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35040   Invalid: 733   Minimum: 6   Maximum: 115   Mean: 49.549   Standard deviation: 14.78  
 Type: Continuous   Decimal: 0   Width: 8   Range: 6 - 115   Format: Numeric

### S2Q1: 2.1 Plot No

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773   Invalid: 0   Minimum: 1   Maximum: 65   Mean: 12.678   Standard deviation: 7.519  
 Type: Continuous   Decimal: 0   Width: 8   Range: 1 - 65   Format: Numeric

### S2Q2: 2.2 Plot area sqm

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773   Invalid: 0   Minimum: 27.848   Maximum: 8865126   Mean: 8337.339   Standard deviation: 134369.885  
 Type: Continuous   Decimal: 0   Width: 8   Range: 27.848033835848 - 8865126   Format: Numeric

### S2Q3: 2.3 Number of main crops to be harvested during this season in the plot.

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773   Invalid: 0  
 Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 7   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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1		6462	18.1%
2		8772	24.5%
3		8254	23.1%
4		6029	16.9%
5		3951	11%
6		1690	4.7%
7		615	1.7%

## S2Q4: 2.4 Crop name

Data file: rwa-sas-seasonB\_Crop production

### Overview

Valid: 35773 Invalid: 0

Type: Discrete Decimal: 0 Width: 34 Range: 101 - 510 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
101	Maize	3588	10%
102	Paddy rice	191	0.5%
103	Sorghum	2957	8.3%
104	Wheat	283	0.8%
105	Other cereal(specify)	0	0%
106	Bush bean	4284	12%
107	Climbing bean	2701	7.6%
108	Pea	304	0.8%
109	Other pulse(specify)	0	0%
110	Irish potato	1011	2.8%
111	Sweet potato	2559	7.2%
112	Taro	810	2.3%
113	Yams	19	0.1%
114	Other tubers(specify)	0	0%
115	Tomato	152	0.4%
116	Cabbage	87	0.2%
117	Cauliflower	0	0%
118	Onion	60	0.2%
119	Carrot	49	0.1%
120	Eggplant	85	0.2%

121	Other seasonal vegetables(specify)	5	0%
122	Soybean	1076	3%
123	Groundnut	645	1.8%
124	Sun flower	185	0.5%
125	Black eggplant	4	0%
126	Sweet pepper	29	0.1%
127	Amaranth	34	0.1%
128	Celery	0	0%
129	Spinach	4	0%
130	Small red bean	1	0%
131	Sugar beet	9	0%
132	Garlic	30	0.1%
133	African cabbage	0	0%
134	Leek	3	0%
135	French beans	20	0.1%
136	Letus	1	0%
137	Broccoli	0	0%
138	Millet	10	0%
139	Cucumber	6	0%
140	Other seasonal crops(specify).	8	0%
201	Pyrethrum	87	0.2%
202	Pepper	30	0.1%
203	Pumpkin	22	0.1%
204	Napia grass	24	0.1%
205	Sugar cane	138	0.4%
206	Other annual crops (specify).	9	0%
301	Cooking banana	3320	9.3%
302	Dessert banana	2988	8.4%
303	Banana for beer	3618	10.1%
304	Coffee	603	1.7%
305	Cassava	3195	8.9%
306	Mulberry	5	0%
307	Jatropha	0	0%
308	Stevia	1	0%
309	Macadamia	18	0.1%
310	Tea	0	0%
311	Other perennial crop (Specify).	13	0%
401	Tree tomato	68	0.2%
402	Pineapple	44	0.1%

403	Avocado	23	0.1%
404	Passion fruits	30	0.1%
405	Palm	31	0.1%
406	Mango	14	0%
407	Apple	0	0%
408	Papaya	9	0%
409	Orange	9	0%
410	Lemon	2	0%
411	Guava	1	0%
412	Olive	4	0%
413	Water melon	4	0%
414	Other fruits (specify).	1	0%
415	Mandoline	8	0%
416	Jack Fruits	0	0%
417	Goosebery	1	0%
418	Strawberry	1	0%
419	Coeur de boeuf	0	0%
501	Napia grass for fodder	168	0.5%
502	Maize for fodder	22	0.1%
503	Soybean for fodder	0	0%
504	Leucena	0	0%
505	Desmodium	2	0%
506	Mucuna	2	0%
507	Setaria	1	0%
508	Tripsacum	5	0%
509	Herbaceous	0	0%
510	Other fodder crop (specify).	42	0.1%

## S2Q4\_O: 2.4 Crop name

Data file: rwa-sas-seasonB\_Crop production

### Overview

Valid: 78 Invalid: 0

Type: Discrete Width: 20 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
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Agapanthus		1	1.3%
Artichocker		1	1.3%
Ceincrus Celsium		1	1.3%
Cloris Gayana		20	25.6%
Flower		1	1.3%
Igikaranka		4	5.1%
Imigwegwe		1	1.3%
Mante		1	1.3%
Moringa		4	5.1%
Okra Gombo		2	2.6%
Panicum		5	6.4%
Perisil		2	2.6%
Quinquina		3	3.8%
Raisin(Grape)		1	1.3%
Roselle		1	1.3%
Rosera		1	1.3%
Saraza		5	6.4%
Tangawizi		1	1.3%
Temeda		2	2.6%
Teye		1	1.3%
Tobacco		2	2.6%
Ubwatsi Bwo Gusasira		1	1.3%
Ubwatsi Bwo Gusasiza		1	1.3%
Umucaca		1	1.3%
Umucaca Wa Kizungu		7	9%
Umukenke		7	9%
Umukunde		1	1.3%

## S2Q5: 2.5 Number of plants in this plot for perennial crops

Data file: rwa-sas-seasonB\_Crop production

### Overview

Valid: 13788    Invalid: 21985    Minimum: 1    Maximum: 2844130    Mean: 540.223    Standard deviation: 25873.773

Type: Continuous    Decimal: 0    Width: 12    Range: 1 - 2844130    Format: Numeric

## S2Q6: 2.6 Number of plants to be harvested in this season for perennial crops

Data file: rwa-sas-seasonB\_Crop production

## Overview

Valid: 13800    Invalid: 21973    Minimum: 0    Maximum: 2844130    Mean: 314.934    Standard deviation: 24230.81

Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 2844130    Format: Numeric

## S2Q7: 2.7 Sowing date

Data file: rwa-sas-seasonB\_Crop production

## Overview

Valid: 35773    Invalid: 0

Type: Discrete    Decimal: 0    Width: 39    Range: 1 - 25    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Before 01/07	0	0%
2	Between 01-15/07	0	0%
3	Between 16-31/07	0	0%
4	Between 01-15/08	0	0%
5	Between 16-31/08	0	0%
6	Between 01-15 /09	0	0%
7	Between 16- 30/09	0	0%
8	Between 01-15/10	0	0%
9	Between16- 31/10	0	0%
10	After 31/10	0	0%
11	Other season (for perennial crops only)	0	0%
12	Before 01/01	1662	4.6%
13	Between 01-15/01	2270	6.3%
14	Between 16-31/01	1179	3.3%
15	Between 01-15/02	4200	11.7%
16	Between 16-28/02	4547	12.7%
17	Between 01- 15/03	5106	14.3%
18	Between16 ?31/03	1967	5.5%
19	After 31/03	1885	5.3%
20	Other season (for perennial crops only)	12957	36.2%
21	Before 01/05	0	0%
22	Between 01- 31/05	0	0%
23	Between 01- 30/06	0	0%
24	Between 01-31/07	0	0%

25	After 31/07	0	0%
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## S2Q8: 2.8 Expected period for crop harvesting

Data file: rwa-sas-seasonB\_Crop production

### Overview

Valid: 35773 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 39 Range: 1 - 24 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Before 01/12	0	0%
2	Between 01-15/12	0	0%
3	Between 16-31/12	0	0%
4	Between 01-15/01	0	0%
5	Between 16- 31/01	0	0%
6	Between 01-28/02	0	0%
7	After Feb	0	0%
8	Other season (for perennial crops only)	0	0%
9	Before 01/05	8443	23.6%
10	Between 01-15/05	1534	4.3%
11	Between 15-31/05	4483	12.5%
12	Between 01- 15/06	5269	14.7%
13	Between 16 -30/06	5153	14.4%
14	Between 01-15/07	2954	8.3%
15	Between 16-31/07	2056	5.7%
16	Between 01-31/08	3255	9.1%
17	After August	1336	3.7%
18	Other season (for perennial crops only)	1290	3.6%
19	Before 01/08	0	0%
20	Between 01-15/08	0	0%
21	Between 16- 31/08	0	0%
22	Between 01-15/09	0	0%
23	Between 16 -30/09	0	0%
24	After 30/09	0	0%



**S2Q9: 2.9 Did you use improved seed for this crop in any of your plots in this season?****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	2713	7.6%
2	No	33060	92.4%

**S2Q10: 2.10 Where did improved seeds sown come from?****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 2722    Invalid: 33051  
 Type: Discrete    Decimal: 0    Width: 29    Range: 1 - 7    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Government (MINAGRI/RAB/NAEB)	382	14%
2	Recognized seed multipliers	283	10.4%
3	Agro dealers	979	36%
4	NGOs	586	21.5%
5	Market	274	10.1%
6	Agriculture cooperative	192	7.1%
7	Other (specify)	26	1%
Sysmiss		33051	

**S2Q11: 2.11 Type of seeds sown in this plot****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35757    Invalid: 16  
 Type: Discrete    Decimal: 0    Width: 17    Range: 1 - 3    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Traditional seeds	33023	92.4%
2	Improved seeds	2578	7.2%
3	1&2	156	0.4%
Sysmiss		16	

### S2Q12: 2.12 Is the seed sown in this plot for the current season?

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35757 Invalid: 16

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	21558	60.3%
2	No	14199	39.7%
Sysmiss		16	

### S2Q13\_1: 2.13.1 Unit of traditional seeds

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 19481 Invalid: 16292

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Kg	15249	78.3%
2	g	374	1.9%
3	Cuttings	822	4.2%
4	Not applicable (NA)	3036	15.6%
Sysmiss		16292	

**S2Q13\_2: 2.13.2 Quantity Sown****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 16445    Invalid: 19328    Minimum: 0.02    Maximum: 99999    Mean: 79.767    Standard deviation: 1015.805  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0.02 - 99999    Format: Numeric

**S2Q14: 2.14 Quantity of traditional seeds purchased and sown in the plot****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 16453    Invalid: 19320    Minimum: 0    Maximum: 37000    Mean: 21.365    Standard deviation: 404.777  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 37000    Format: Numeric

**S2Q15: 2.15 Amount spent for the purchase of traditional seeds for this plot (Rwf)****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 9861    Invalid: 25912    Minimum: 0    Maximum: 4900000    Mean: 10238.813    Standard deviation: 95905.888  
 Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 4900000    Format: Numeric

**S2Q16\_1: 2.16.1 Unit of improved seeds****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 2204    Invalid: 33569  
 Type: Discrete    Decimal: 0    Width: 19    Range: 1 - 4    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kg	1806	81.9%
2	g	312	14.2%
3	Cuttings	12	0.5%
4	Not applicable (NA)	74	3.4%
Sysmiss		33569	

**S2Q16\_2: 2.16.2 Quantity Sown****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 2118   Invalid: 33655   Minimum: 0   Maximum: 200000   Mean: 424.063   Standard deviation: 4746.573  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 200000   Format: Numeric

---

**S2Q17: 2.17 Quantity of improved seeds purchased and sown in this plot****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 2118   Invalid: 33655   Minimum: 0   Maximum: 200000   Mean: 508.121   Standard deviation: 5250.603  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 200000   Format: Numeric

---

**S2Q18: 2.18 Amount spent for the purchase of improved seeds sown in this plot(Rwf)****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 2071   Invalid: 33702   Minimum: 0   Maximum: 9468000   Mean: 129661.817   Standard deviation: 649461.459  
 Type: Continuous   Decimal: 0   Width: 12   Range: 0 - 9468000   Format: Numeric

---

**S2Q19: 2.19 Quantity already harvested in this season (in Kg)****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 34348   Invalid: 1425   Minimum: 0   Maximum: 3054033.75   Mean: 1313.286   Standard deviation: 38261.396  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 3054033.75   Format: Numeric

---

**S2Q20: 2.20 Remaining quantity to be harvested(in Kg)****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 34348   Invalid: 1425   Minimum: 0   Maximum: 3364200.25   Mean: 1409.969   Standard deviation: 41258.729  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 3364200.25   Format: Numeric

---

**S2Q21: 2.21 Total quantity of harvest for this season (in Kg)****Data file:** rwa-sas-seasonB\_Crop production

**Overview**

Valid: 34348    Invalid: 1425    Minimum: 0    Maximum: 3883050.25    Mean: 2723.254    Standard deviation: 61241.783  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 3883050.25    Format: Numeric

**S2Q22\_1: 2.22.1 Explanation on crop production status**

**Data file:** rwa-sas-seasonB\_Crop production

**Overview**

Valid: 35773    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 34    Range: 1 - 16    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Drought	1521	4.3%
2	Heavy rainfall/Hailstones	7761	21.7%
3	Insufficient rainfall	3784	10.6%
4	insufficient/Lack of fertilizers	12307	34.4%
5	Late sowing	496	1.4%
6	Flood	239	0.7%
7	Landslide	84	0.2%
8	Crop destroyed by animals (grazes)	65	0.2%
9	Diseases and pests	1658	4.6%
10	Unfertile soil	543	1.5%
11	Inappropriate seeds	513	1.4%
12	Good harvest as it was expected	3987	11.1%
13	lack of improved seed	137	0.4%
14	Strong winds	82	0.2%
15	Perennial crops not yet mature	1291	3.6%
16	Other reason (Specify)	1305	3.6%

**S2Q22\_2: 2.22.2 Explanation on crop production status**

**Data file:** rwa-sas-seasonB\_Crop production

**Overview**

Valid: 14140    Invalid: 21633  
 Type: Discrete    Decimal: 0    Width: 34    Range: 1 - 16    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Drought	0	0%
2	Heavy rainfall/Hailstones	218	1.5%
3	Insufficient rainfall	208	1.5%
4	insufficient/Lack of fertilizers	4893	34.6%
5	Late sowing	1176	8.3%
6	Flood	183	1.3%
7	Landslide	157	1.1%
8	Crop destroyed by animals (grazes)	91	0.6%
9	Diseases and pests	2534	17.9%
10	Unfertile soil	1779	12.6%
11	Inappropriate seeds	1001	7.1%
12	Good harvest as it was expected	0	0%
13	lack of improved seed	470	3.3%
14	Strong winds	123	0.9%
15	Perennial crops not yet mature	326	2.3%
16	Other reason (Specify)	981	6.9%
Sysmiss		21633	

### S2Q22\_3: 2.22.3 Explanation on crop production status

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 3215 Invalid: 32558

Type: Discrete Decimal: 0 Width: 34 Range: 1 - 16 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Drought	0	0%
2	Heavy rainfall/Hailstones	0	0%
3	Insufficient rainfall	0	0%
4	insufficient/Lack of fertilizers	126	3.9%
5	Late sowing	378	11.8%
6	Flood	20	0.6%

7	Landslide	50	1.6%
8	Crop destroyed by animals (grazes)	15	0.5%
9	Diseases and pests	668	20.8%
10	Unfertile soil	530	16.5%
11	Inappropriate seeds	440	13.7%
12	Good harvest as it was expected	0	0%
13	lack of improved seed	391	12.2%
14	Strong winds	57	1.8%
15	Perennial crops not yet mature	103	3.2%
16	Other reason (Specify)	437	13.6%
Sysmiss		32558	

### S2Q23: 2.23. What was the quantity produced? (Kg)

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773 Invalid: 0 Minimum: 0 Maximum: 121000000 Mean: 10295.323 Standard deviation: 906915.382

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 121000000 Format: Numeric

### S2Q24: 2.24. What was the quantity processed at farm level?

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773 Invalid: 0 Minimum: 0 Maximum: 54165 Mean: 122.872 Standard deviation: 1366.236

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 54165 Format: Numeric

### S2Q25: 2.25. What was the quantity sold?

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773 Invalid: 0 Minimum: 0 Maximum: 120000000 Mean: 9253.314 Standard deviation: 898776.758

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 120000000 Format: Numeric

### S2Q26: 2.26 On which market this crop was sold?

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 17549 Invalid: 18224

Type: Discrete Decimal: 0 Width: 31 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Farm/Home	8393	47.8%
2	Market	8205	46.8%
3	Cooperative/company/Association	901	5.1%
4	Other selling place	50	0.3%
Sysmiss		18224	

### S2Q27: 2.27 What was the selling price per kilogram? (Rwf/Kg)

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 17550 Invalid: 18223 Minimum: 0 Maximum: 32400 Mean: 549.08 Standard deviation: 521.337  
 Type: Continuous Decimal: 0 Width: 12 Range: 0 - 32400 Format: Numeric

### S2Q28: 2.28. What was the quantity used for own consumption?

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773 Invalid: 0 Minimum: 0 Maximum: 1032000 Mean: 455.99 Standard deviation: 9101.411  
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 1032000 Format: Numeric

### S2Q29: 2.29. What was the quantity used as wages?

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773 Invalid: 0 Minimum: 0 Maximum: 46602 Mean: 24.067 Standard deviation: 461.374  
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 46602 Format: Numeric

### S2Q30: 2.30. What was the quantity used as farm rent?

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773 Invalid: 0 Minimum: 0 Maximum: 8400 Mean: 2.6 Standard deviation: 54.053  
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 8400 Format: Numeric



**S2Q31: 2.31. What was the quantity used as gift?****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 10000    Mean: 16.331    Standard deviation: 94.003  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 10000    Format: Numeric

---

**S2Q32: 2.32. What was the quantity exchanged for other goods?****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 1500    Mean: 0.195    Standard deviation: 9.936  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 1500    Format: Numeric

---

**S2Q33: 2.33. What was the quantity used as seeds?****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 69605    Mean: 34.037    Standard deviation: 688.562  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 69605    Format: Numeric

---

**S2Q34: 2.34. What was the quantity used to feed animals?****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 3175740    Mean: 338.811    Standard deviation: 19385.115  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 3175740    Format: Numeric

---

**S2Q35: 2.35. What was the quantity stored?****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 861500    Mean: 48.165    Standard deviation: 5002.768  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 861500    Format: Numeric

---

**S2Q36: 2.36 What is the storage facility used during this agricultural season?****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 1029    Invalid: 0  
 Type: Discrete    Width: 2    Range: -    Format: character

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		993	96.5%
13		1	0.1%
2		19	1.8%
3		12	1.2%
4		4	0.4%

### S2Q37: 2.37 Quantity of production stored in public storage (kg)

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773 Invalid: 0 Minimum: 0 Maximum: 250 Mean: 0.0374 Standard deviation: 2.158  
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 250 Format: Numeric

### S2Q38: 2.38 On the total production of this crop what is the quantity that has been los

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773 Invalid: 0 Minimum: 0 Maximum: 1000000 Mean: 80.005 Standard deviation: 7578.448  
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 1000000 Format: Numeric

### S2Q39: 2.38. What was the quantity used in other forms?

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773 Invalid: 0 Minimum: 0 Maximum: 322560 Mean: 41.808 Standard deviation: 3420.248  
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 322560 Format: Numeric

### S2Q40: 2.40 What was the total quantity stolen ?(kg)

Data file: rwa-sas-seasonB\_Crop production

#### Overview

Valid: 35773 Invalid: 0 Minimum: 0 Maximum: 200000 Mean: 16.966 Standard deviation: 1338.578  
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 200000 Format: Numeric

**S2Q41: 2.41 What was the total quantity damaged by insects or pests?(kg)****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 50000    Mean: 9.638    Standard deviation: 385.5  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 50000    Format: Numeric

---

**S2Q42: 2.42 What was the total quantity lost due to birds or other animals?(kg)****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 500000    Mean: 33.456    Standard deviation: 2963.243  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 500000    Format: Numeric

---

**S2Q43: 2.43 What was the total quantity of Stalks fallen to the ground?(kg)****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 800000    Mean: 145.475    Standard deviation: 6931.998  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 800000    Format: Numeric

---

**S2Q44: 2.44 What was the total quantity lost during harvesting?(kg)****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 500000    Mean: 32.111    Standard deviation: 2926.013  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 500000    Format: Numeric

---

**S2Q45: 2.45 What was the total quantity lost in transport of produce?(kg)****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 1000000    Mean: 66.343    Standard deviation: 7510.282  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 1000000    Format: Numeric

---

**S2Q46: 2.46 What was the total quantity lost at storage?(kg)****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 500000    Mean: 14.492    Standard deviation: 2645.293  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 500000    Format: Numeric

---

**S2Q47: 2.47 What was the total quantity lost during processing ?(kg)****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 135732.5    Mean: 15.387    Standard deviation: 899.282  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 135732.5    Format: Numeric

**S2Q48: 2.48 What was the total quantity lost during packaging ?(kg)****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 25000    Mean: 2.256    Standard deviation: 157.734  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 25000    Format: Numeric

**S2Q49: 2.49 What was the total quantity lost at sales?(kg)****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0    Maximum: 150000    Mean: 6.504    Standard deviation: 835.996  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 150000    Format: Numeric

**CROP\_AREA: Developed crop area in ha****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35773    Invalid: 0    Minimum: 0.0001    Maximum: 886.513    Mean: 0.653    Standard deviation: 13.086  
 Type: Continuous    Decimal: 0    Width: 9    Range: 0.000100011442555115 - 886.512573242188    Format: Numeric

**PLOT\_WEIGHT: Plot weight****Data file:** rwa-sas-seasonB\_Crop production**Overview**

Valid: 35695    Invalid: 78    Minimum: 1    Maximum: 23247.828    Mean: 730.027    Standard deviation: 900.125  
 Type: Continuous    Decimal: 0    Width: 9    Range: 1 - 23247.828125    Format: Numeric

**CROPCATEGORY: Crop Category****Data file:** rwa-sas-seasonB\_Crop production

**Overview**

Valid: 35773    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 15    Range: 6 - 305    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
6	Fruits	250	0.7%
7	Vegetables	630	1.8%
8	Other crops	906	2.5%
9	Other cereals	195	0.5%
10	Taro & Yams	829	2.3%
11	Fodder crops	242	0.7%
101	Maize	3588	10%
102	Paddy rice	191	0.5%
103	Sorghum	2957	8.3%
104	Wheat	283	0.8%
106	Bush bean	4285	12%
107	Climbing bean	2701	7.6%
108	Pea	304	0.8%
110	Irish potato	1011	2.8%
111	Sweet potato	2559	7.2%
122	Soybean	1076	3%
123	Groundnut	645	1.8%
301	Cooking banana	3320	9.3%
302	Dessert banana	2988	8.4%
303	Banana for beer	3618	10.1%
305	Cassava	3195	8.9%

**SEGMENT\_ID: 1.0 Segment identification****Data file:** rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 18936   Invalid: 0   Minimum: 12001   Maximum: 574051   Mean: 358267.516   Standard deviation: 148949.13

Type: Continuous   Decimal: 0   Width: 10   Range: 12001 - 574051   Format: Numeric

**S1Q1: 1.1 Province****Data file:** rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 18936   Invalid: 0

Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 5   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	1022	5.4%
2	South	4860	25.7%
3	West	3897	20.6%
4	North	3250	17.2%
5	East	5907	31.2%

**S1Q2: 1.2 District name & code****Data file:** rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 18936   Invalid: 0

Type: Discrete   Decimal: 0   Width: 10   Range: 11 - 57   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	284	1.5%
12	Gasabo	464	2.5%
13	Kicukiro	274	1.4%
21	Nyanza	682	3.6%
22	Gisagara	599	3.2%
23	Nyaruguru	429	2.3%

24	Huye	564	3%
25	Nyamagabe	607	3.2%
26	Ruhango	733	3.9%
27	Muhanga	523	2.8%
28	Kamonyi	723	3.8%
31	Karongi	504	2.7%
32	Rutsiro	478	2.5%
33	Rubavu	763	4%
34	Nyabihu	641	3.4%
35	Ngororero	621	3.3%
36	Rusizi	355	1.9%
37	Nyamasheke	535	2.8%
41	Rulindo	535	2.8%
42	Gakenke	749	4%
43	Musanze	678	3.6%
44	Burera	613	3.2%
45	Gicumbi	675	3.6%
51	Rwamagana	886	4.7%
52	Nyagatare	880	4.6%
53	Gatsibo	901	4.8%
54	Kayonza	700	3.7%
55	Kirehe	850	4.5%
56	Ngoma	733	3.9%
57	Bugesera	957	5.1%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 18936 Invalid: 0

Type: Discrete Decimal: 0 Width: 35 Range: 0 - 40 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	LSF	1138	6%
10	Intensive cropland on hillsides	15335	81%
20	Intensive cropland in marshlands	824	4.4%

30	Rangelands	176	0.9%
40	Mixed	1463	7.7%

## S1Q4: 1.4 Segment

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

### Overview

Valid: 18936 Invalid: 0 Minimum: 0 Maximum: 68 Mean: 19.756 Standard deviation: 13.167  
Type: Continuous Decimal: 0 Width: 8 Range: 0 - 68 Format: Numeric

## S1Q6: 1.6 Farmer ID/LSF ID

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

### Overview

Valid: 18936 Invalid: 0 Minimum: 1 Maximum: 55 Mean: 12.056 Standard deviation: 7.596  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 55 Format: Numeric

## S1Q7: 1.7 Farmer/LSF type

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

### Overview

Valid: 18821 Invalid: 115  
Type: Discrete Decimal: 0 Width: 53 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Small scale farmer as individual	17732	94.2%
2	Small Scale farmer as Cooperative/Company/Association,	72	0.4%
3	Large scale farmer as individual	382	2%
4	Large scale farmer as Cooperative/Company/Association	635	3.4%
Sysmiss		115	

## S1Q8: 1.8 Gender

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

### Overview

Valid: 18114 Invalid: 822  
Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric



## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Male	11309	62.4%
2	Female	6805	37.6%
Sysmiss		822	

### S1Q9: 1.9 Age

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 18114    Invalid: 822    Minimum: 6    Maximum: 115    Mean: 48.344    Standard deviation: 14.643  
 Type: Continuous    Decimal: 0    Width: 8    Range: 6 - 115    Format: Numeric

### S2Q1: 2.1 Plot No

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 18936    Invalid: 0    Minimum: 1    Maximum: 65    Mean: 12.486    Standard deviation: 7.605  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 65    Format: Numeric

### S2Q2: 2.2 Plot area(sqm)

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 18936    Invalid: 0    Minimum: 27.848    Maximum: 8865126    Mean: 25511.63    Standard deviation: 275864.005  
 Type: Continuous    Decimal: 0    Width: 8    Range: 27.848033835848 - 8865126    Format: Numeric

### S2Q3: 2.3 Number of main crops to be harvested during this season in the plot.

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 18936    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 7    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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1		7489	39.5%
2		5271	27.8%
3		3158	16.7%
4		1710	9%
5		886	4.7%
6		311	1.6%
7		111	0.6%

### S3Q1: 3.1 Did you use organic fertilizer in any of your plots during this season?

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 18936    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Yes	14302	75.5%
2	No	4634	24.5%

### S3Q2: 3.2 Number of source where did organic fertilizer used came from?

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 14302    Invalid: 4634  
 Type: Discrete    Decimal: 0    Width: 9    Range: 1 - 3    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1		13146	91.9%
2		1140	8%
3		16	0.1%
Sysmiss		4634	

**S3Q2\_1: 3.2\_1 Where did organic fertilizer used came from?****Data file:** rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 14302 Invalid: 4634

Type: Discrete Decimal: 0 Width: 47 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Own preparation (manure, compost, Biogas, etc.)	12241	85.6%
2	Bought	1738	12.2%
3	Received for free	320	2.2%
4	Other(Specify)	3	0%
Sysmiss		4634	

**S3Q2\_2: 3.2\_2 Where did organic fertilizer used came from?****Data file:** rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 1156 Invalid: 17780

Type: Discrete Decimal: 0 Width: 47 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Own preparation (manure, compost, Biogas, etc.)	0	0%
2	Bought	1002	86.7%
3	Received for free	153	13.2%
4	Other(Specify)	1	0.1%
Sysmiss		17780	

**S3Q2\_3: 3.2\_3 Where did organic fertilizer used came from?****Data file:** rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 16 Invalid: 18920

Type: Discrete Decimal: 0 Width: 47 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Own preparation (manure, compost, Biogas, etc.)	0	0%
2	Bought	0	0%
3	Received for free	16	100%
4	Other(Specify)	0	0%
Sysmiss		18920	

### S3Q3: 3.3 Have you used organic fertilizer in this plot during this season?

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 18936 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	9815	51.8%
2	No	9121	48.2%

### S3Q4: 3.4 Total cost of organic fertilizer purchased (Frw)

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 1887 Invalid: 17049 Minimum: 300 Maximum: 7412445 Mean: 60890.168 Standard deviation: 340476.319  
 Type: Continuous Decimal: 0 Width: 12 Range: 300 - 7412445 Format: Numeric

### S3Q5: 3.5 Was the quantity of organic fertilizer used sufficient for you compared to t

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 9815 Invalid: 9121  
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	4114	41.9%
2	No	5701	58.1%
Sysmiss		9121	

### S3Q6: 3.6 Number of reasons If the organic fertilizer used was not sufficient

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5701 Invalid: 13235

Type: Discrete Decimal: 0 Width: 9 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		3238	56.8%
2		2463	43.2%
Sysmiss		13235	

### S3Q6\_1: 3.6\_1 If the organic fertilizer used was not sufficient, what are the main reasons

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5701 Invalid: 13235

Type: Discrete Decimal: 0 Width: 28 Range: 1 - 6 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	No livestock at home	765	13.4%
2	Few livestock at home	3966	69.6%
3	Not available on market	107	1.9%
4	Lack of financial means	363	6.4%
5	Lack of transport facilities	455	8%
6	Other reason (specify)	45	0.8%

Sysmiss		13235	
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### S3Q6\_2: 3.6\_2 If the organic fertilizer used was not sufficient, what are the main reasons?

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 2463 Invalid: 16473

Type: Discrete Decimal: 0 Width: 28 Range: 1 - 6 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No livestock at home	0	0%
2	Few livestock at home	10	0.4%
3	Not available on market	118	4.8%
4	Lack of financial means	2019	82%
5	Lack of transport facilities	258	10.5%
6	Other reason (specify)	58	2.4%
Sysmiss		16473	

### S3Q7: 3.7 Did you use inorganic fertilizer in any of your plots during this season?

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 18936 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Yes	9522	50.3%
2	No	9414	49.7%

### S3Q8: 3.8 What is the main source of fertilizer used?

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 9522 Invalid: 9414

Type: Discrete    Decimal: 0    Width: 29    Range: 1 - 6    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Government (MINAGRI/RAB/NAEB)	490	5.1%
2	Agro-dealers	5403	56.7%
3	NGOs	2729	28.7%
4	Market	504	5.3%
5	Agriculture cooperative	374	3.9%
6	Other place	22	0.2%
Sysmiss		9414	

## S3Q9: 3.9 Have you used inorganic fertilizer in this plot during this season?

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

### Overview

Valid: 18065    Invalid: 871

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	5563	30.8%
2	No	12502	69.2%
Sysmiss		871	

## S3Q10: 3.10 Type of inorganic fertilizer used

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

### Overview

Valid: 5563    Invalid: 13373

Type: Discrete    Decimal: 0    Width: 35    Range: 1 - 99    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	NPK 17-17-17;	1048	18.8%

2	NPK 20-10-10;	58	1%
3	NPK 25-5-5;	12	0.2%
4	NPK 22-6-12;	58	1%
5	Other NPK;	30	0.5%
6	Urea;	1888	33.9%
7	liquid urea (Mbonea Majimaji);	65	1.2%
8	DAP	2267	40.8%
9	TSP	0	0%
10	KCL/MOP,	11	0.2%
11	Omax;	14	0.3%
12	Winner;	1	0%
13	Yara Viva;	12	0.2%
14	Amidas;	19	0.3%
15	Cereal;	18	0.3%
16	Boaster;	1	0%
17	DI Grow;	20	0.4%
18	Dyna gro;	0	0%
19	Other type of fertilizer (specify).	41	0.7%
99	NA	0	0%
Sysmiss		13373	

### S3Q11: 3.11 Measurement unit

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5563 Invalid: 13373

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 4 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Kg;	5446	97.9%
2	g;	0	0%
3	L,	114	2%
4	Cc	3	0.1%
Sysmiss		13373	



**S3Q12: 3.12 Total quantity used in this plot****Data file:** rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 5561   Invalid: 13375   Minimum: 0.1   Maximum: 167000   Mean: 721.678   Standard deviation: 5879.781  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0.1 - 167000   Format: Numeric

**S3Q13: 3.13 Quantity purchased and used in this plot****Data file:** rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 5561   Invalid: 13375   Minimum: 0   Maximum: 167000   Mean: 712.941   Standard deviation: 5873.716  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 167000   Format: Numeric

**S3Q14: 3.14 Unit price (Rwf)****Data file:** rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 5389   Invalid: 13547   Minimum: 10   Maximum: 24000   Mean: 597.214   Standard deviation: 821.653  
 Type: Continuous   Decimal: 0   Width: 12   Range: 10 - 24000   Format: Numeric

**S3Q15: 3.15 Main crops to be fertilized?****Data file:** rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 5563   Invalid: 13373  
 Type: Discrete   Decimal: 0   Width: 34   Range: 101 - 510   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
101	Maize	1584	28.5%
102	Paddy rice	291	5.2%
103	Sorghum	332	6%
104	Wheat	188	3.4%
105	Other cereal(specify)	0	0%
106	Bush bean	292	5.2%
107	Climbing bean	882	15.9%
108	Pea	38	0.7%
109	Other pulse(specify)	0	0%

110	Irish potato	906	16.3%
111	Sweet potato	32	0.6%
112	Taro	5	0.1%
113	Yams	1	0%
114	Other tubers(specify)	0	0%
115	Tomato	166	3%
116	Cabbage	47	0.8%
117	Cauliflower	0	0%
118	Onion	82	1.5%
119	Carrot	47	0.8%
120	Eggplant	93	1.7%
121	Other seasonal vegetables(specify)	3	0.1%
122	Soybean	87	1.6%
123	Groundnut	18	0.3%
124	Sun flower	0	0%
125	Black eggplant	1	0%
126	Sweet pepper	23	0.4%
127	Amaranth	19	0.3%
128	Celery	0	0%
129	Spinach	4	0.1%
130	Small red bean	0	0%
131	Sugar beet	2	0%
132	Garlic	39	0.7%
133	African cabbage	0	0%
134	Leek	0	0%
135	French beans	31	0.6%
136	Letus	2	0%
137	Broccoli	0	0%
138	Millet	2	0%
139	Cucumber	11	0.2%
140	Other seasonal crops(specify).	1	0%
201	Pyrethrum	2	0%
202	Pepper	18	0.3%
203	Pumpkin	2	0%
204	Napia grass	0	0%
205	Sugar cane	11	0.2%
206	Other annual crops (specify).	2	0%
301	Cooking banana	7	0.1%
302	Dessert banana	7	0.1%

303	Banana for beer	11	0.2%
304	Coffee	163	2.9%
305	Cassava	46	0.8%
306	Mulberry	0	0%
307	Jatropha	0	0%
308	Stevia	0	0%
309	Macadamia	3	0.1%
310	Tea	0	0%
311	Other perennial crop (Specify).	1	0%
401	Tree tomato	26	0.5%
402	Pineapple	0	0%
403	Avocado	0	0%
404	Passion fruits	11	0.2%
405	Palm	0	0%
406	Mango	0	0%
407	Apple	0	0%
408	Papaya	0	0%
409	Orange	0	0%
410	Lemon	0	0%
411	Guava	0	0%
412	Olive	0	0%
413	Water melon	9	0.2%
414	Other fruits (specify).	0	0%
415	Mandoline	0	0%
416	Jack Fruits	0	0%
417	Goosebery	0	0%
418	Strawberry	0	0%
419	Coeur de boeuf	0	0%
501	Napia grass for fodder	3	0.1%
502	Maize for fodder	10	0.2%
503	Soybean for fodder	0	0%
504	Leucena	0	0%
505	Desmodium	0	0%
506	Mucuna	0	0%
507	Setaria	0	0%
508	Tripsacum	0	0%
509	Herbaceous	0	0%
510	Other fodder crop (specify).	2	0%
Sysmiss		13373	

**S3Q16: 3.16 Did you use any type of micro-nutrients in any of your plots in this season****Data file:** rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 18936    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	177	0.9%
2	No	18759	99.1%

**S3Q17: 3.17 Did you use any type of micro-nutrients in this plot during this season?****Data file:** rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 18936    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	77	0.4%
2	No	18859	99.6%

**S3Q18: 3.18 Did you use pesticide/Fungicide in any of your plots during this season?****Data file:** rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 18934    Invalid: 2  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	6701	35.4%

2	No	12233	64.6%
Sysmiss		2	

### S3Q19: 3.19 Have you used pesticide/Fungicide in this plot during this current season?

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 18936    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Yes	4247	22.4%
2	No	14689	77.6%

### S3Q20: 3.20 Pesticide type

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 3699    Invalid: 15237  
 Type: Discrete    Decimal: 0    Width: 36    Range: 1 - 99    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Dithane	954	25.8%
2	Ridomil	313	8.5%
3	Dimethoate (DUDU)	278	7.5%
4	Cypermethrin	709	19.2%
5	Dursiban	6	0.2%
6	Tilt	0	0%
7	Pilkare	1	0%
8	Rocket	1027	27.8%
9	Beam	93	2.5%
10	Lava	11	0.3%
11	Rodazim	0	0%
12	Thiovit	8	0.2%

13	Safari max	28	0.8%
14	Victory	8	0.2%
15	Copper (akaribata)	12	0.3%
16	Supra	1	0%
17	Alfatox	8	0.2%
18	Daconil	1	0%
19	Vendex	1	0%
20	Ortivatop	4	0.1%
21	Mastercop	2	0.1%
22	Atoce	0	0%
23	Lambdex	10	0.3%
24	Evisect	0	0%
25	Prove	0	0%
26	Abamectin	3	0.1%
27	Fenvalerate	0	0%
28	Copper oxychloride	14	0.4%
29	Othello	0	0%
30	Balcolex	0	0%
31	Cabrio	3	0.1%
32	Commando	7	0.2%
33	Confidor	6	0.2%
34	Cypro	2	0.1%
35	Easygrowth	13	0.4%
36	Endofil	1	0%
37	Indofil M 45	0	0%
38	Safari	11	0.3%
39	Jacket	4	0.1%
40	Lambda	3	0.1%
41	Mancozeb	22	0.6%
42	Millmax	10	0.3%
43	Miovit	1	0%
44	Octiva	0	0%
45	Orius	0	0%
46	Ramdan	0	0%
47	Profex super	12	0.3%
48	Round all	0	0%
49	Safari Zeb	9	0.2%
50	Scower	1	0%
51	Sumithio	2	0.1%

52	Vital	5	0.1%
53	Other pesticides/fungicides(specify)	95	2.6%
99	NA	0	0%
Sysmiss		15237	

### S3Q21: 3.21 Pesticide unit

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 3699 Invalid: 15237

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 4 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Kg;	1227	33.2%
2	g;	289	7.8%
3	L,	553	14.9%
4	Cc	1630	44.1%
Sysmiss		15237	

### S3Q22: 3.22 Total Quantity of pesticide used

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 3694 Invalid: 15242 Minimum: 0.01 Maximum: 9400 Mean: 101.726 Standard deviation: 268.571

Type: Continuous Decimal: 0 Width: 10 Range: 0.01 - 9400 Format: Numeric

### S3Q23: 3.23 Quantity of Pesticide purchased in this plot

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 3694 Invalid: 15242 Minimum: 0 Maximum: 9400 Mean: 99.086 Standard deviation: 267.257

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 9400 Format: Numeric

### S3Q24: 3.24 Total amount spent on quantity bought (Rwf)

Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides

**Overview**

Valid: 3574   Invalid: 15362   Minimum: 30   Maximum: 70899000   Mean: 95538.837   Standard deviation: 1366930.317  
Type: Continuous   Decimal: 0   Width: 12   Range: 30 - 70899000   Format: Numeric

---

**PLOT\_WEIGHT:**

**Data file: rwa-sas-SeasonB\_PartIII\_Fertilizers\_Pesticides**

**Overview**

Valid: 18936   Invalid: 0   Minimum: 1   Maximum: 23247.828   Mean: 850.882   Standard deviation: 1057.076  
Type: Continuous   Decimal: 0   Width: 9   Range: 1 - 23247.828125   Format: Numeric

---



**SEGMENT\_ID: 1.0 Segment identification****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 16398   Invalid: 0   Minimum: 12001   Maximum: 574051   Mean: 362249.963   Standard deviation: 147556.477

Type: Continuous   Decimal: 0   Width: 10   Range: 12001 - 574051   Format: Numeric

**S1Q1: 1.1 Province****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 16398   Invalid: 0

Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 5   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	930	5.7%
2	South	4437	27.1%
3	West	3017	18.4%
4	North	2839	17.3%
5	East	5175	31.6%

**S1Q2: 1.2 District name & code****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 16398   Invalid: 0

Type: Discrete   Decimal: 0   Width: 10   Range: 11 - 57   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	247	1.5%
12	Gasabo	427	2.6%
13	Kicukiro	256	1.6%
21	Nyanza	629	3.8%
22	Gisagara	544	3.3%
23	Nyaruguru	375	2.3%

24	Huye	517	3.2%
25	Nyamagabe	515	3.1%
26	Ruhango	697	4.3%
27	Muhanga	498	3%
28	Kamonyi	662	4%
31	Karongi	471	2.9%
32	Rutsiro	410	2.5%
33	Rubavu	427	2.6%
34	Nyabihu	397	2.4%
35	Ngororero	505	3.1%
36	Rusizi	315	1.9%
37	Nyamasheke	492	3%
41	Rulindo	477	2.9%
42	Gakenke	668	4.1%
43	Musanze	496	3%
44	Burera	554	3.4%
45	Gicumbi	644	3.9%
51	Rwamagana	762	4.6%
52	Nyagatare	708	4.3%
53	Gatsibo	797	4.9%
54	Kayonza	609	3.7%
55	Kirehe	785	4.8%
56	Ngoma	677	4.1%
57	Bugesera	837	5.1%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 16398 Invalid: 0

Type: Discrete Decimal: 0 Width: 35 Range: 0 - 40 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	LSF	788	4.8%
10	10 Intensive cropland on hillsides	13454	82%
20	20 Intensive cropland in marshlands	707	4.3%

30	30 Rangelands	161	1%
40	40 Mixed	1288	7.9%

### S1Q4: 1.4 Segment

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 16398 Invalid: 0 Minimum: 0 Maximum: 68 Mean: 20.127 Standard deviation: 13.204  
Type: Continuous Decimal: 0 Width: 8 Range: 0 - 68 Format: Numeric

### S1Q6: 1.6 Farmer ID

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 16398 Invalid: 0 Minimum: 1 Maximum: 55 Mean: 12.016 Standard deviation: 7.537  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 55 Format: Numeric

### S1Q8: 1.8 Gender

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 15876 Invalid: 522  
Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Male	9784	61.6%
2	Female	6092	38.4%
Sysmiss		522	

### S1Q9: 1.9 Age

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 15876 Invalid: 522 Minimum: 6 Maximum: 115 Mean: 48.758 Standard deviation: 14.777  
Type: Continuous Decimal: 0 Width: 8 Range: 6 - 115 Format: Numeric

**S2Q1: 2.1 Plot No****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 16398    Invalid: 0    Minimum: 1    Maximum: 65    Mean: 12.594    Standard deviation: 7.566  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 65    Format: Numeric

**S2Q2: 2.2 Plot area (m2)****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 16397    Invalid: 1    Minimum: 27.848    Maximum: 8865126    Mean: 14699.517    Standard deviation: 197789.803  
 Type: Continuous    Decimal: 0    Width: 8    Range: 27.848033835848 - 8865126    Format: Numeric

**S3Q25: 3.25 Is this plot located in land consolidated site in this season?****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 16396    Invalid: 2  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	1277	7.8%
2	No	15119	92.2%
Sysmiss		2	

**S3Q26\_1: 3.26 What do you gain as support from land consolidation program?****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 1264    Invalid: 15134  
 Type: Discrete    Decimal: 0    Width: 31    Range: 1 - 8    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Seeds	335	26.5%

2	Fertilizer	269	21.3%
3	Access to irrigation facilities	35	2.8%
4	Access to storage facilities	5	0.4%
5	Access to market	34	2.7%
6	Extension services	150	11.9%
7	=No benefit	421	33.3%
8	Other(Specify)	15	1.2%
Sysmiss		15134	

### S3Q26\_2: 3.26 What do you gain as support from land consolidation program?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 506 Invalid: 15892

Type: Discrete Decimal: 0 Width: 31 Range: 1 - 8 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Seeds	0	0%
2	Fertilizer	271	53.6%
3	Access to irrigation facilities	39	7.7%
4	Access to storage facilities	16	3.2%
5	Access to market	101	20%
6	Extension services	70	13.8%
7	=No benefit	0	0%
8	Other(Specify)	9	1.8%
Sysmiss		15892	

### S3Q26\_3: 3.26 What do you gain as support from land consolidation program?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 264 Invalid: 16134

Type: Discrete Decimal: 0 Width: 31 Range: 1 - 8 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Seeds	0	0%
2	Fertilizer	0	0%
3	Access to irrigation facilities	24	9.1%
4	Access to storage facilities	12	4.5%
5	Access to market	50	18.9%
6	Extension services	172	65.2%
7	=No benefit	0	0%
8	Other(Specify)	6	2.3%
Sysmiss		16134	

### S3Q26\_4: 3.26 What do you gain as support from land consolidation program?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 66 Invalid: 16332

Type: Discrete Decimal: 0 Width: 31 Range: 1 - 8 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Seeds	0	0%
2	Fertilizer	0	0%
3	Access to irrigation facilities	0	0%
4	Access to storage facilities	1	1.5%
5	Access to market	23	34.8%
6	Extension services	39	59.1%
7	=No benefit	0	0%
8	Other(Specify)	3	4.5%
Sysmiss		16332	

### S4Q1: 4.1 What is the degree of erosion on this plot?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 16397 Invalid: 1

Type: Discrete Decimal: 0 Width: 87 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Severe (Rill erosion, Gully erosion, Mass movement/landslides)	615	3.8%
2	Moderate (Diffuse overland flow Erosion, Overland flow erosion, erosion by Infiltration)	1960	12%
3	Low (Wind erosion)	4877	29.7%
4	Very Low (Splash erosion)	8945	54.6%
Sysmiss		1	

### S4Q2: 4.2 Is there any anti-erosion activity in any of your plots?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 16396 Invalid: 2

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	14505	88.5%
2	No	1891	11.5%
Sysmiss		2	

### S4Q3: 4.3 Is there any anti-erosion activity on this plot?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 14505 Invalid: 1893

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	12107	83.5%
2	No	2398	16.5%
Sysmiss		1893	

**S4Q4: 4.4 Were these anti-erosion activities done during the current agricultural seas****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 12107 Invalid: 4291

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	1233	10.2%
2	No	10874	89.8%
Sysmiss		4291	

**S4Q5: 4.5 What is the total cost of anti-erosion activities done during this season (F****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 1232 Invalid: 15166 Minimum: 0 Maximum: 9000000 Mean: 40068.035 Standard deviation: 402002.553

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 9000000 Format: Numeric

**S4Q6: 4.6 Did you use any mechanical equipment for agriculture activities in any of yo****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 16395 Invalid: 3

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	168	1%
2	No	16227	99%
Sysmiss		3	



**S4Q7: 4.7 Did you use any mechanical equipment for agriculture activities on this plot****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 168 Invalid: 16230

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	82	48.8%
2	No	86	51.2%
Sysmiss		16230	

**S4Q8\_1: 4.8.1 Have you used ploughing animals (oxen) in this plot during this season?****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 90 Invalid: 16308

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	3	3.3%
2	No	87	96.7%
Sysmiss		16308	

**S4Q8\_2: 4.8.2 At which stage of agriculture practice have you used animal ploughing?****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 3 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
AB		3	100%

**S4Q8\_3: 4.8.3 Amount paid on ploughing animals during this season (Rwf)****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 3    Invalid: 16395    Minimum: 10000    Maximum: 30000    Mean: 21666.667    Standard deviation: 10408.33

Type: Continuous    Decimal: 0    Width: 12    Range: 10000 - 30000    Format: Numeric

**S4Q9\_1: 4.9.1 Have you used a ploughing tractor in this plot during this season?****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 85    Invalid: 16313

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	76	89.4%
2	No	9	10.6%
Sysmiss		16313	

**S4Q9\_2\_1: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?****Data file:** rwa-sas-SeasonB\_PartIV\_Agricultural practice**Overview**

Valid: 76    Invalid: 16322

Type: Discrete    Decimal: 0    Width: 44    Range: 1 - 13    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Ploughing	70	92.1%
2	Soil leveling	0	0%
3	Raking	0	0%
4	Manuring	0	0%
5	Sowing	1	1.3%
6	Weeding	0	0%

7	Irrigation	0	0%
8	Harvesting	3	3.9%
9	Threshing	0	0%
10	Winnowing	0	0%
11	Harvest packing	2	2.6%
12	Pesticides Spraying	0	0%
13	Other stage of agriculture practice(Specify)	0	0%
Sysmiss		16322	

### S4Q9\_2\_2: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 47 Invalid: 16351

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Ploughing	0	0%
2	Soil leveling	41	87.2%
3	Raking	0	0%
4	Manuring	0	0%
5	Sowing	2	4.3%
6	Weeding	1	2.1%
7	Irrigation	0	0%
8	Harvesting	0	0%
9	Threshing	0	0%
10	Winnowing	0	0%
11	Harvest packing	1	2.1%
12	Pesticides Spraying	0	0%
13	Other stage of agriculture practice(Specify)	2	4.3%
Sysmiss		16351	

### S4Q9\_2\_3: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

**Overview**

Valid: 6 Invalid: 16392

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Ploughing	0	0%
2	Soil leveling	0	0%
3	Raking	0	0%
4	Manuring	0	0%
5	Sowing	5	83.3%
6	Weeding	0	0%
7	Irrigation	0	0%
8	Harvesting	1	16.7%
9	Threshing	0	0%
10	Winnowing	0	0%
11	Harvest packing	0	0%
12	Pesticides Spraying	0	0%
13	Other stage of agriculture practice(Specify)	0	0%
Sysmiss		16392	

**S4Q9\_2\_4: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?**

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

**Overview**

Valid: 0 Invalid: 16398

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Ploughing
2	Soil leveling
3	Raking
4	Manuring
5	Sowing
6	Weeding

7	Irrigation
8	Harvesting
9	Threshing
10	Winnowing
11	Harvest packing
12	Pesticides Spraying
13	Other stage of agriculture practice(Specify)
Sysmiss	

### S4Q9\_2\_5: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 0 Invalid: 16398

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category
1	Ploughing
2	Soil leveling
3	Raking
4	Manuring
5	Sowing
6	Weeding
7	Irrigation
8	Harvesting
9	Threshing
10	Winnowing
11	Harvest packing
12	Pesticides Spraying
13	Other stage of agriculture practice(Specify)
Sysmiss	

### S4Q9\_3: 4.9.3 Amount paid on ploughing tractor (Rwf) in this season?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

**Overview**

Valid: 79   Invalid: 16319   Minimum: 0   Maximum: 7500000   Mean: 783590.063   Standard deviation: 1447491.291  
 Type: Continuous   Decimal: 0   Width: 12   Range: 0 - 7500000   Format: Numeric

**S4Q10\_1: 4.10.1 Have you used any other mechanical equipment not mentioned in this plot d**

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

**Overview**

Valid: 86   Invalid: 16312  
 Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	1	1.2%
2	No	85	98.8%
Sysmiss		16312	

**S4Q10\_2: 4.10.2 At which stage of agriculture practices have you used other mechanical equ**

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

**Overview**

Valid: 0   Invalid: 16398  
 Type: Discrete   Decimal: 0   Width: 9   Range: -   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
Sysmiss	

**S4Q10\_3: 4.10.3 Name of other mechanical equipment used during this season**

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

**Overview**

Valid: 1   Invalid: 0  
 Type: Discrete   Width: 5   Range: -   Format: character

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
MULET		1	100%

### S4Q10\_4: 4.10.4 Amount paid for the other mechanical equipment in this season? (Rwf)

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 4 Invalid: 16394 Minimum: 0 Maximum: 40000 Mean: 10000 Standard deviation: 20000  
 Type: Continuous Decimal: 0 Width: 12 Range: 0 - 40000 Format: Numeric

### S4Q11: 4.11 Amount spent on hired labor used to prepare land, sowing and any other agri

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 16396 Invalid: 2 Minimum: 0 Maximum: 273920000 Mean: 95602.098 Standard deviation: 3027000.277  
 Type: Continuous Decimal: 0 Width: 12 Range: 0 - 273920000 Format: Numeric

### S4Q12: 4.12 Did you practice irrigation in any of your plots during this agricultural s

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 16395 Invalid: 3  
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	2191	13.4%
2	No	14204	86.6%
Sysmiss		3	

### S4Q13: 4.13 Has this plot been irrigated during this agricultural season?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

**Overview**

Valid: 2192 Invalid: 14206

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	565	25.8%
2	No	1627	74.2%
Sysmiss		14206	

**S4Q14: 4.14 What is irrigation technique used on this plot?**

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

**Overview**

Valid: 565 Invalid: 15833

Type: Discrete Decimal: 0 Width: 38 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Surface irrigation	94	16.6%
2	Flood irrigation (especially for rice)	122	21.6%
3	Drip irrigation	19	3.4%
4	Sprinkler irrigation	34	6%
5	Pivot irrigation	30	5.3%
6	Traditional techniques	266	47.1%
Sysmiss		15833	

**S4Q15\_1: 4.15 What is the source of water for irrigation?**

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

**Overview**

Valid: 561 Invalid: 15837

Type: Discrete Decimal: 0 Width: 22 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES



Value	Category	Cases	
1	Rainwater harvesting	22	3.9%
2	Water treatment plant	25	4.5%
3	Underground water	169	30.1%
4	Lake/stream water	299	53.3%
5	Water catchment(dam)	46	8.2%
6	Other source (specify)	0	0%
Sysmiss		15837	

### S4Q15\_2: 4.15 What is the source of water for irrigation?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 46 Invalid: 16352

Type: Discrete Decimal: 0 Width: 22 Range: 1 - 6 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Rainwater harvesting	0	0%
2	Water treatment plant	1	2.2%
3	Underground water	11	23.9%
4	Lake/stream water	17	37%
5	Water catchment(dam)	17	37%
6	Other source (specify)	0	0%
Sysmiss		16352	

### S4Q15\_3: 4.15 What is the source of water for irrigation?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 3 Invalid: 16395

Type: Discrete Decimal: 0 Width: 22 Range: 4 - 5 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
4		2	66.7%

5		1	33.3%
Sysmiss		16395	

### S4Q16\_1: 4.16 What is the irrigation tool have you used?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 561 Invalid: 15837

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Irrigation machine	122	21.7%
2	Pump	17	3%
3	Tube wells	43	7.7%
4	Water can	153	27.3%
5	Water channels	141	25.1%
6	Jerycan/basin	84	15%
7	Other tool(specify)	1	0.2%
Sysmiss		15837	

### S4Q16\_2: 4.16 What is the irrigation tool have you used?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 118 Invalid: 16280

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Irrigation machine	0	0%
2	Pump	25	21.2%
3	Tube wells	20	16.9%
4	Water can	20	16.9%
5	Water channels	19	16.1%
6	Jerycan/basin	33	28%

7	Other tool(specify)	1	0.8%
Sysmiss		16280	

### S4Q16\_3: 4.16 What is the irrigation tool have you used?

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 23 Invalid: 16375

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Irrigation machine	0	0%
2	Pump	0	0%
3	Tube wells	4	17.4%
4	Water can	4	17.4%
5	Water channels	3	13%
6	Jerycan/basin	12	52.2%
7	Other tool(specify)	0	0%
Sysmiss		16375	

### S4Q17: 4.17 What is the cost spent for irrigation activities? (Rwf)

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 566 Invalid: 15832 Minimum: 0 Maximum: 9999500 Mean: 555742.014 Standard deviation: 1587851.449

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 9999500 Format: Numeric

### PLOT\_WEIGHT: Plot weight

Data file: rwa-sas-SeasonB\_PartIV\_Agricultural practice

#### Overview

Valid: 16398 Invalid: 0 Minimum: 1 Maximum: 23247.828 Mean: 885.443 Standard deviation: 1083.777

Type: Continuous Decimal: 0 Width: 9 Range: 1 - 23247.828125 Format: Numeric

**SEGMENT\_ID: Segment Identification****Data file:** rwa-sas-seasonB\_Screening\_Agroforestry**Overview**

Valid: 29526    Invalid: 0    Minimum: 12001    Maximum: 574051    Mean: 324394.175    Standard deviation: 169618.257

Type: Continuous    Decimal: 0    Width: 10    Range: 12001 - 574051    Format: Numeric

**S1Q1: 1.1 Province****Data file:** rwa-sas-seasonB\_Screening\_Agroforestry**Overview**

Valid: 29525    Invalid: 1

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	1695	5.7%
2	South	8167	27.7%
3	West	5673	19.2%
4	North	4353	14.7%
5	East	9637	32.6%
Sysmiss		1	

**S1Q2: 1.2 District****Data file:** rwa-sas-seasonB\_Screening\_Agroforestry**Overview**

Valid: 29526    Invalid: 0

Type: Discrete    Decimal: 0    Width: 10    Range: 11 - 57    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	377	1.3%
12	Gasabo	874	3%
13	Kicukiro	445	1.5%
21	Nyanza	1081	3.7%
22	Gisagara	1226	4.2%

23	Nyaruguru	713	2.4%
24	Huye	1078	3.7%
25	Nyamagabe	881	3%
26	Ruhango	1137	3.9%
27	Muhanga	994	3.4%
28	Kamonyi	1057	3.6%
31	Karongi	901	3.1%
32	Rutsiro	823	2.8%
33	Rubavu	615	2.1%
34	Nyabihu	666	2.3%
35	Ngororero	858	2.9%
36	Rusizi	816	2.8%
37	Nyamasheke	996	3.4%
41	Rulindo	841	2.8%
42	Gakenke	1029	3.5%
43	Musanze	742	2.5%
44	Burera	762	2.6%
45	Gicumbi	979	3.3%
51	Rwamagana	1469	5%
52	Nyagatare	1415	4.8%
53	Gatsibo	1410	4.8%
54	Kayanza	1147	3.9%
55	Kirehe	1358	4.6%
56	Ngoma	1275	4.3%
57	Bugesera	1561	5.3%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-seasonB\_Screening\_Agroforestry

#### Overview

Valid: 29526    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 35    Range: 0 - 40    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	LSF/Site for season C	4473	15.1%
10	10 Intensive cropland on hillsides	20953	71%

20	20 Intensive cropland in marshlands	1257	4.3%
30	30 Rangelands	339	1.1%
40	40 Mixed	2504	8.5%

## S1Q4: 1.4 Segment number

Data file: rwa-sas-seasonB\_Screening\_Agroforestry

### Overview

Valid: 25053    Invalid: 4473    Minimum: 1    Maximum: 68    Mean: 20.929    Standard deviation: 12.802  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 68    Format: Numeric

## S2Q1: 2.1 Plot number

Data file: rwa-sas-seasonB\_Screening\_Agroforestry

### Overview

Valid: 29526    Invalid: 0    Minimum: 1    Maximum: 65    Mean: 11.457    Standard deviation: 7.945  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 65    Format: Numeric

## S2Q6: 2.6 Plot land use

Data file: rwa-sas-seasonB\_Screening\_Agroforestry

### Overview

Valid: 29526    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 16    Range: 96 - 99    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
96	Agricultural	22138	75%
97	Pasture	710	2.4%
98	Fallow	2658	9%
99	Non agricultural	4020	13.6%

## S2Q7: 2.7 Nonagricultural Land Type

Data file: rwa-sas-seasonB\_Screening\_Agroforestry

### Overview

Valid: 4020    Invalid: 25506  
 Type: Discrete    Decimal: 0    Width: 19    Range: 1 - 7    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Buildings	1342	33.4%
2	Road or Path	479	11.9%
3	Forest or Bush	1930	48%
4	Bare or Rocky soil	61	1.5%
5	Unmanaged marshland	14	0.3%
6	Water body	131	3.3%
7	Other(specify)	63	1.6%
Sysmiss		25506	

### S2Q10: 2.10 Is there any agroforestry practices on this plot?

Data file: rwa-sas-seasonB\_Screening\_Agroforestry

#### Overview

Valid: 25506 Invalid: 4020

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	9368	36.7%
2	No	16138	63.3%
Sysmiss		4020	

### S2Q11: 2.11 Types of agroforestry trees planted in this plot?

Data file: rwa-sas-seasonB\_Screening\_Agroforestry

#### Overview

Valid: 9368 Invalid: 20158

Type: Discrete Decimal: 0 Width: 37 Range: 1 - 15 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Calliandra	403	4.3%

2	Leucaena	196	2.1%
3	Sesbania	88	0.9%
4	Acacia	733	7.8%
5	Erythrina	190	2%
6	Casuarina	15	0.2%
7	Maesopsis	35	0.4%
8	Alnus acuminata	625	6.7%
9	Grevillea	4036	43.1%
10	Fruits trees	407	4.3%
11	Markhamia lutea(umusave)	1342	14.3%
12	Tephrosia vogelii Hook. F. Teforosiya	26	0.3%
13	Vernonia amygdalina Del. Umubilizi	497	5.3%
14	Others(specify)	383	4.1%
15	Ikibonobono	392	4.2%
Sysmiss		20158	

## **PLOT\_WEIGHT: Plot weight**

**Data file: rwa-sas-seasonB\_Screening\_Agroforestry**

### **Overview**

Valid: 29429    Invalid: 97    Minimum: 1    Maximum: 25944.188    Mean: 844.341    Standard deviation: 1198.786  
 Type: Continuous    Decimal: 0    Width: 9    Range: 1 - 25944.1875    Format: Numeric



**SEGMENT\_ID: Segment Identification****Data file: rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation****Overview**

Valid: 29822    Invalid: 0    Minimum: 12001    Maximum: 574051    Mean: 346109.017    Standard deviation: 148295.5

Type: Continuous    Decimal: 0    Width: 10    Range: 12001 - 574051    Format: Numeric

**S1Q1: 1.1 Province****Data file: rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation****Overview**

Valid: 29821    Invalid: 1

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	1618	5.4%
2	South	8498	28.5%
3	West	6303	21.1%
4	North	5117	17.2%
5	East	8285	27.8%
Sysmiss		1	

**S1Q2: 1.2 District****Data file: rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation****Overview**

Valid: 29822    Invalid: 0

Type: Discrete    Decimal: 0    Width: 10    Range: 11 - 57    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	369	1.2%
12	Gasabo	823	2.8%
13	Kicukiro	427	1.4%
21	Nyanza	1088	3.6%
22	Gisagara	899	3%

23	Nyaruguru	881	3%
24	Huye	962	3.2%
25	Nyamagabe	1221	4.1%
26	Ruhango	1213	4.1%
27	Muhanga	1136	3.8%
28	Kamonyi	1098	3.7%
31	Karongi	1103	3.7%
32	Rutsiro	955	3.2%
33	Rubavu	629	2.1%
34	Nyabihu	850	2.9%
35	Ngororero	941	3.2%
36	Rusizi	880	3%
37	Nyamasheke	949	3.2%
41	Rulindo	1054	3.5%
42	Gakenke	1124	3.8%
43	Musanze	807	2.7%
44	Burera	886	3%
45	Gicumbi	1246	4.2%
51	Rwamagana	1413	4.7%
52	Nyagatare	1236	4.1%
53	Gatsibo	1270	4.3%
54	Kayanza	902	3%
55	Kirehe	1083	3.6%
56	Ngoma	1046	3.5%
57	Bugesera	1331	4.5%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation

#### Overview

Valid: 29822    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 35    Range: 0 - 40    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	LSF/Site for season C	2107	7.1%
10	10 Intensive cropland on hillsides	23244	77.9%

20	20 Intensive cropland in marshlands	1439	4.8%
30	30 Rangelands	343	1.2%
40	40 Mixed	2689	9%

### S1Q4: 1.4 Segment number

Data file: rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation

#### Overview

Valid: 27715    Invalid: 2107    Minimum: 1    Maximum: 68    Mean: 20.793    Standard deviation: 12.637  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 68    Format: Numeric

### S2Q1: 2.1 Plot number

Data file: rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation

#### Overview

Valid: 29822    Invalid: 0    Minimum: 1    Maximum: 65    Mean: 12.407    Standard deviation: 7.622  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 65    Format: Numeric

### S2Q5\_2: 2.5.2 Farmer ID

Data file: rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation

#### Overview

Valid: 29250    Invalid: 572    Minimum: 1    Maximum: 57045    Mean: 3103.286    Standard deviation: 11836.647  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 57045    Format: Numeric

### S2Q6: 2.6 Plot land use

Data file: rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation

#### Overview

Valid: 29822    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 16    Range: 96 - 99    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
96	Agricultural	22332	74.9%
97	Pasture	627	2.1%
98	Fallow	2856	9.6%
99	Non agricultural	4007	13.4%

**S2Q7: 2.7 Nonagricultural Land Type****Data file:** rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation**Overview**

Valid: 4007 Invalid: 25815

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Buildings	1339	33.4%
2	Road or Path	478	11.9%
3	Forest or Bush	1921	47.9%
4	Bare or Rocky soil	61	1.5%
5	Unmanaged marshland	14	0.3%
6	Water body	131	3.3%
7	Other(specify)	63	1.6%
Sysmiss		25815	

**S2Q8: 2.8 Is there any antierosion activity on this plot?****Data file:** rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation**Overview**

Valid: 25815 Invalid: 4007

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	19392	75.1%
2	No	6423	24.9%
Sysmiss		4007	

**S2Q9: 2.9 Types of anti erosion activities****Data file:** rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation

**Overview**

Valid: 19392    Invalid: 10430  
 Type: Discrete    Decimal: 0    Width: 27    Range: 1 - 10    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Ditches	1510	7.8%
2	Trees/Windbreak/Shelterbelt	1176	6.1%
3	Bench terraces	997	5.1%
4	Progressive terraces	1807	9.3%
5	Cover plants/Grasses	10550	54.4%
6	Water drainage	458	2.4%
7	Mulching	720	3.7%
8	Beds/Ridges	1085	5.6%
9	Water channel	898	4.6%
10	Other(specify)	191	1%
Sysmiss		10430	

**S2Q12: 2.12 Is this plot located in land consolidation site in this season?**

Data file: rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation

**Overview**

Valid: 22332    Invalid: 7490  
 Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	1896	8.5%
2	No	20436	91.5%
Sysmiss		7490	

**PLOT\_WEIGHT: Plot weight**

Data file: rwa-sas-seasonB\_Screening\_Antierosion\_land consolidation

**Overview**

Valid: 29703    Invalid: 119    Minimum: 1    Maximum: 25944.188    Mean: 936.691    Standard deviation: 1224.317  
 Type: Continuous    Decimal: 0    Width: 9    Range: 1 - 25944.1875    Format: Numeric



**SEGMENT\_ID: Segment Identification****Data file: rwa-sas-seasonB-Screening\_crops****Overview**

Valid: 48696    Invalid: 0    Minimum: 12001    Maximum: 574051    Mean: 360873.717    Standard deviation: 148538.218

Type: Continuous    Decimal: 0    Width: 10    Range: 12001 - 574051    Format: Numeric

**S1Q1: 1.1 Province****Data file: rwa-sas-seasonB-Screening\_crops****Overview**

Valid: 48695    Invalid: 1

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	2856	5.9%
2	South	14219	29.2%
3	West	8738	17.9%
4	North	7030	14.4%
5	East	15852	32.6%
Sysmiss		1	

**S1Q2: 1.2 District****Data file: rwa-sas-seasonB-Screening\_crops****Overview**

Valid: 48696    Invalid: 0

Type: Discrete    Decimal: 0    Width: 10    Range: 11 - 57    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	757	1.6%
12	Gasabo	1276	2.6%
13	Kicukiro	824	1.7%
21	Nyanza	1880	3.9%
22	Gisagara	1966	4%

23	Nyaruguru	1125	2.3%
24	Huye	1713	3.5%
25	Nyamagabe	1576	3.2%
26	Ruhango	2146	4.4%
27	Muhanga	1730	3.6%
28	Kamonyi	2083	4.3%
31	Karongi	1482	3%
32	Rutsiro	1257	2.6%
33	Rubavu	760	1.6%
34	Nyabihu	875	1.8%
35	Ngororero	1543	3.2%
36	Rusizi	1207	2.5%
37	Nyamasheke	1616	3.3%
41	Rulindo	1487	3.1%
42	Gakenke	1857	3.8%
43	Musanze	1021	2.1%
44	Burera	1022	2.1%
45	Gicumbi	1643	3.4%
51	Rwamagana	2364	4.9%
52	Nyagatare	2216	4.6%
53	Gatsibo	2565	5.3%
54	Kayanza	1923	3.9%
55	Kirehe	2199	4.5%
56	Ngoma	2138	4.4%
57	Bugesera	2445	5%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-seasonB-Screening\_crops

#### Overview

Valid: 48696 Invalid: 0

Type: Discrete Decimal: 0 Width: 35 Range: 0 - 40 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	Large scale farmers	2189	4.5%
10	10 Intensive cropland on hillsides	39537	81.2%



20	20 Intensive cropland in marshlands	1922	3.9%
30	30 Rangelands	577	1.2%
40	40 Mixed	4471	9.2%

#### S1Q4: 1.4 Segment number

Data file: rwa-sas-seasonB-Screening\_crops

##### Overview

Valid: 46507    Invalid: 2189    Minimum: 1    Maximum: 68    Mean: 21.199    Standard deviation: 12.857  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 68    Format: Numeric

#### S1Q7: 1.7 Number of grids sampled in the segment

Data file: rwa-sas-seasonB-Screening\_crops

##### Overview

Valid: 46507    Invalid: 2189  
 Type: Discrete    Decimal: 0    Width: 8    Range: 25 - 25    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
25		46507	100%
Sysmiss		2189	

#### S2Q1: 2.1 Plot number

Data file: rwa-sas-seasonB-Screening\_crops

##### Overview

Valid: 48696    Invalid: 0    Minimum: 1    Maximum: 65    Mean: 12.596    Standard deviation: 7.558  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 65    Format: Numeric

#### S2Q2: 2.2 Number of grid points that fall in this plot

Data file: rwa-sas-seasonB-Screening\_crops

##### Overview

Valid: 46507    Invalid: 2189    Minimum: 1    Maximum: 25    Mean: 1.21    Standard deviation: 1.114  
 Type: Continuous    Decimal: 0    Width: 8    Range: 1 - 25    Format: Numeric

**S2Q4: 2.4 Plot size (m2)****Data file:** rwa-sas-seasonB-Screening\_crops**Overview**

Valid: 48696    Invalid: 0    Minimum: 27.848    Maximum: 20200608    Mean: 9482.982    Standard deviation: 174406.858

Type: Continuous    Decimal: 0    Width: 10    Range: 27.848033835848 - 20200608    Format: Numeric

**S2Q6: 2.6 Plot land use****Data file:** rwa-sas-seasonB-Screening\_crops**Overview**

Valid: 48696    Invalid: 0

Type: Discrete    Decimal: 0    Width: 16    Range: 96 - 99    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
96	Agricultural	41603	85.4%
97	Pasture	607	1.2%
98	Fallow	2478	5.1%
99	Non agricultural	4008	8.2%

**S2Q7: 2.7 Nonagricultural Land Type****Data file:** rwa-sas-seasonB-Screening\_crops**Overview**

Valid: 4008    Invalid: 44688

Type: Discrete    Decimal: 0    Width: 19    Range: 1 - 7    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Buildings	1339	33.4%
2	Road or Path	479	12%
3	Forest or Bush	1921	47.9%
4	Bare or Rocky soil	61	1.5%
5	Unmanaged marshland	14	0.3%
6	Water body	131	3.3%
7	Other(specify)	63	1.6%

Sysmiss		44688	
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## S2Q13: 2.13 Cropping system

Data file: rwa-sas-seasonB-Screening\_crops

### Overview

Valid: 41861 Invalid: 6835

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Pure Cropping	6250	14.9%
2	Mixed Cropping	35611	85.1%
Sysmiss		6835	

## S2Q14: 2.14 Number of main crops in the plot

Data file: rwa-sas-seasonB-Screening\_crops

### Overview

Valid: 41860 Invalid: 6836

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 7 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		6249	14.9%
2		8897	21.3%
3		9233	22.1%
4		7516	18%
5		5783	13.8%
6		2893	6.9%
7		1289	3.1%
Sysmiss		6836	

## S3Q1: 3.1 Crop name

Data file: rwa-sas-seasonB-Screening\_crops

**Overview**

Valid: 42210 Invalid: 6486

Type: Discrete Decimal: 0 Width: 34 Range: 101 - 510 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
101	Maize	3583	8.5%
102	Paddy rice	193	0.5%
103	Sorghum	2968	7%
104	Wheat	274	0.6%
105	Other cereal(specify)	0	0%
106	Bush bean	4145	9.8%
107	Climbing bean	2484	5.9%
108	Pea	312	0.7%
109	Other pulse	0	0%
110	Irish potato	1025	2.4%
111	Sweet potato	3118	7.4%
112	Taro	989	2.3%
113	Yams	21	0%
114	Other tubers	0	0%
115	Tomato	169	0.4%
116	Cabbage	92	0.2%
117	Cauliflower	0	0%
118	Onion	61	0.1%
119	Carrot	51	0.1%
120	Eggplant	100	0.2%
121	Other seasonal vegetables(specify)	5	0%
122	Soybean	1095	2.6%
123	Groundnut	652	1.5%
124	Sun flower	186	0.4%
125	Black eggplant	5	0%
126	Sweet pepper	32	0.1%
127	Amaranth	37	0.1%
128	celery	0	0%
129	Spinach	4	0%
130	Small red bean	1	0%
131	Sugar beet	9	0%
132	Garlic	30	0.1%

133	African cabbage	0	0%
134	Leek	3	0%
135	French beans	21	0%
136	Letus	1	0%
137	Broccoli	0	0%
138	Millet	10	0%
139	Cucumber	6	0%
140	Other seasonal crops	8	0%
201	Pyrethrum	87	0.2%
202	Pepper	31	0.1%
203	Pumpkin	22	0.1%
204	Napia grass	34	0.1%
205	Sugar cane	192	0.5%
206	Other annual crops(specify)	10	0%
300	Banana	0	0%
301	Cooking banana	4007	9.5%
302	Dessert banana	3656	8.7%
303	Banana for beer	4262	10.1%
304	Coffee	741	1.8%
305	Cassava	6287	14.9%
306	Mulberry	13	0%
307	Jatropha	1	0%
308	Stevia	1	0%
309	Macadamia	50	0.1%
310	Tea	116	0.3%
311	Other perennial crop(Specify)	21	0%
401	Tree tomato	97	0.2%
402	Pineapple	46	0.1%
403	Avocado	55	0.1%
404	Passion fruits	33	0.1%
405	Palm	33	0.1%
406	Mango	58	0.1%
407	Apple	0	0%
408	Papaya	14	0%
409	Orange	21	0%
410	Lemon	4	0%
411	Guava	2	0%
412	Oliver	4	0%
413	Water melon	4	0%

414	Other fruits	1	0%
415	Mandoline	8	0%
416	Jack Fruits	0	0%
417	Goosebery	1	0%
418	Strawberry	1	0%
419	Coeur de boeuf	0	0%
501	Napia grass for fodder	178	0.4%
502	Maize for fodder	22	0.1%
503	Soybean for fodder	0	0%
504	Leucena	0	0%
505	Desmodium	3	0%
506	Mucuna	2	0%
507	Setaria	1	0%
508	Tripsacum	5	0%
509	Herbaceous	350	0.8%
510	Other fodder crop (specify)	46	0.1%
Sysmiss		6486	

### S3Q4: 3.4 Number of banana plants

Data file: rwa-sas-seasonB-Screening\_crops

#### Overview

Valid: 11920   Invalid: 36776   Minimum: 1   Maximum: 86830   Mean: 73.69   Standard deviation: 923.055  
 Type: Continuous   Decimal: 0   Width: 12   Range: 1 - 86830   Format: Numeric

### S3Q5: 3.5 Is this crop for this season?

Data file: rwa-sas-seasonB-Screening\_crops

#### Overview

Valid: 41860   Invalid: 6836  
 Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	35373	84.5%
2	No	6487	15.5%
Sysmiss		6836	

**S3Q6: 3.6 What is the expected period for harvesting this crop****Data file:** rwa-sas-seasonB-Screening\_crops**Overview**

Valid: 41860 Invalid: 6836

Type: Discrete Decimal: 0 Width: 39 Range: 9 - 18 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
9	Before 01/05	8720	20.8%
10	Between 01-15/05	1596	3.8%
11	Between 15-31/05	4399	10.5%
12	Between 01- 15/06	5262	12.6%
13	Between 16 -30/06	5162	12.3%
14	Between 01-15/07	3015	7.2%
15	Between 16-31/07	2083	5%
16	Between 01-31/08	3675	8.8%
17	After August	1704	4.1%
18	Other season (for perennial crops only)	6244	14.9%
Sysmiss		6836	

**CROPGROUP: CropGroup****Data file:** rwa-sas-seasonB-Screening\_crops**Overview**

Valid: 42210 Invalid: 6486

Type: Discrete Decimal: 0 Width: 15 Range: 6 - 305 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
6	Fruits	382	0.9%
7	Vegetables	678	1.6%
8	Other crops	1275	3%
9	Other cereals	196	0.5%
10	Taro & Yams	1010	2.4%

11	Fodder crops	607	1.4%
101	Maize	3583	8.5%
102	Paddy rice	193	0.5%
103	Sorghum	2968	7%
104	Wheat	274	0.6%
106	Bush bean	4146	9.8%
107	Climbing bean	2484	5.9%
108	Pea	312	0.7%
110	Irish potato	1025	2.4%
111	Sweet potato	3118	7.4%
122	Soybean	1095	2.6%
123	Groundnut	652	1.5%
301	Cooking banana	4007	9.5%
302	Dessert banana	3656	8.7%
303	Banana for beer	4262	10.1%
305	Cassava	6287	14.9%
Sysmiss		6486	

## PLOT\_WEIGHT: plot\_weight

Data file: rwa-sas-seasonB-Screening\_crops

### Overview

Valid: 48580 Invalid: 116 Minimum: 1 Maximum: 25944.188 Mean: 808.154 Standard deviation: 1052.31  
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 25944.1875 Format: Numeric

## CROP\_AREA: Estimated Crop area in the farm(ha)

Data file: rwa-sas-seasonB-Screening\_crops

### Overview

Valid: 48696 Invalid: 0 Minimum: 0 Maximum: 2020.061 Mean: 0.795 Standard deviation: 17.239  
 Type: Continuous Decimal: 0 Width: 9 Range: 0 - 2020.06079101562 Format: Numeric



**SEGMENT\_ID: 1.0 Segment identification****Data file: rwa-sas-seasonC\_Crop production****Overview**

Valid: 4283   Invalid: 0   Minimum: 110001   Maximum: 572015   Mean: 347090.753   Standard deviation: 133187.689

Type: Continuous   Decimal: 0   Width: 10   Range: 110001 - 572015   Format: Numeric

**S1Q1: 1.1 Province****Data file: rwa-sas-seasonC\_Crop production****Overview**

Valid: 4283   Invalid: 0

Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 5   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	390	9.1%
2	South	1414	33%
3	West	747	17.4%
4	North	822	19.2%
5	East	910	21.2%

**S1Q2: 1.2 District name & code****Data file: rwa-sas-seasonC\_Crop production****Overview**

Valid: 4283   Invalid: 0

Type: Discrete   Decimal: 0   Width: 10   Range: 11 - 57   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	102	2.4%
12	Gasabo	154	3.6%
13	Kicukiro	134	3.1%
21	Nyanza	199	4.6%
22	Gisagara	205	4.8%
23	Nyaruguru	164	3.8%

24	Huye	240	5.6%
25	Nyamagabe	150	3.5%
26	Ruhango	145	3.4%
27	Muhanga	175	4.1%
28	Kamonyi	136	3.2%
31	Karongi	110	2.6%
32	Rutsiro	188	4.4%
33	Rubavu	92	2.1%
34	Nyabihu	174	4.1%
35	Ngororero	42	1%
36	Rusizi	3	0.1%
37	Nyamasheke	138	3.2%
41	Rulindo	82	1.9%
42	Gakenke	185	4.3%
43	Musanze	192	4.5%
44	Burera	235	5.5%
45	Gicumbi	128	3%
51	Rwamagana	213	5%
52	Nyagatare	111	2.6%
53	Gatsibo	93	2.2%
54	Kayonza	94	2.2%
55	Kirehe	189	4.4%
56	Ngoma	104	2.4%
57	Bugesera	106	2.5%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-seasonC\_Crop production

#### Overview

Valid: 4283 Invalid: 0

Type: Discrete Decimal: 0 Width: 35 Range: 0 - 40 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	LSF	3132	73.1%
10	Intensive cropland on hillsides	217	5.1%
20	Intensive cropland in marshlands	904	21.1%

30	Rangelands	0	0%
40	Mixed	30	0.7%

## S1Q4: 1.4 Segment

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 4283 Invalid: 0 Minimum: 1 Maximum: 94 Mean: 17.44 Standard deviation: 16.072  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 94 Format: Numeric

## S1Q6: 1.6 Farmer ID

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 4283 Invalid: 0 Minimum: 1 Maximum: 73 Mean: 7.855 Standard deviation: 7.928  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 73 Format: Numeric

## S1Q7: 1.7 Farmer type

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 4283 Invalid: 0  
Type: Discrete Decimal: 0 Width: 53 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Small scale farmer as individual	4175	97.5%
2	Small Scale farmer as Coperative/Company/Association,	100	2.3%
3	Large scale farmer as individual	1	0%
4	Large scale farmer as Coperative/Company/Association	7	0.2%

## S1Q8: 1.8 Gender

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 4176 Invalid: 107  
Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Male	2678	64.1%
2	Female	1498	35.9%
Sysmiss		107	

### S1Q9: 1.9 Age

Data file: rwa-sas-seasonC\_Crop production

#### Overview

Valid: 4176 Invalid: 107 Minimum: 6 Maximum: 105 Mean: 45.818 Standard deviation: 13.202  
 Type: Continuous Decimal: 0 Width: 8 Range: 6 - 105 Format: Numeric

### S2Q1: 2.1 Plot No

Data file: rwa-sas-seasonC\_Crop production

#### Overview

Valid: 4283 Invalid: 0 Minimum: 1 Maximum: 73 Mean: 7.99 Standard deviation: 7.939  
 Type: Continuous Decimal: 0 Width: 8 Range: 1 - 73 Format: Numeric

### S2Q2: 2.2 Plot area sqm

Data file: rwa-sas-seasonC\_Crop production

#### Overview

Valid: 4283 Invalid: 0 Minimum: 23.593 Maximum: 46221.719 Mean: 1251.889 Standard deviation: 2935.07  
 Type: Continuous Decimal: 0 Width: 8 Range: 23.5925922393799 - 46221.71875 Format: Numeric

### S2Q3: 2.3 Number of main crops to be harvested during this season in the plot.

Data file: rwa-sas-seasonC\_Crop production

#### Overview

Valid: 4283 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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1		2438	56.9%
2		1216	28.4%
3		474	11.1%
4		130	3%
5		25	0.6%

## S2Q4: 2.4 Crop name

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 4283 Invalid: 0

Type: Discrete Decimal: 0 Width: 34 Range: 101 - 510 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
101	Maize	0	0%
102	Paddy rice	0	0%
103	Sorghum	0	0%
104	Wheat	0	0%
105	Other cereal(specify)	0	0%
106	Bush bean	420	9.8%
107	Climbing bean	38	0.9%
108	Pea	210	4.9%
109	Other pulse(specify)	0	0%
110	Irish potato	832	19.4%
111	Sweet potato	836	19.5%
112	Taro	0	0%
113	Yams	0	0%
114	Other tubers(specify)	0	0%
115	Tomato	490	11.4%
116	Cabbage	328	7.7%
117	Cauliflower	6	0.1%
118	Onion	165	3.9%
119	Carrot	131	3.1%
120	Eggplant	243	5.7%
121	Other seasonal vegetables(specify)	3	0.1%
122	Soybean	116	2.7%

123	Groundnut	8	0.2%
124	Sun flower	0	0%
125	Black eggplant	8	0.2%
126	Sweet pepper	49	1.1%
127	Amaranth	189	4.4%
128	Celery	2	0%
129	Spinach	17	0.4%
130	Small red bean	0	0%
131	Beet root	68	1.6%
132	Garlic	12	0.3%
133	African cabbage	0	0%
134	Leek	6	0.1%
135	French beans	82	1.9%
136	Letus	1	0%
137	Broccoli	6	0.1%
138	Millet	0	0%
139	Cucumber	1	0%
140	Other seasonal crops(specify).	1	0%
201	Pyrethrum	0	0%
202	Pepper	0	0%
203	Pumpkin	0	0%
204	Napia grass	0	0%
205	Sugar cane	0	0%
206	Other annual crops (specify).	0	0%
301	Cooking banana	0	0%
302	Dessert banana	0	0%
303	Banana for beer	0	0%
304	Coffee	0	0%
305	Cassava	0	0%
306	Mulberry	0	0%
307	Jatropha	0	0%
308	Stevia	0	0%
309	Macadamia	0	0%
310	Tea	0	0%
311	Other perennial crop (Specify).	0	0%
401	Tree tomato	0	0%
402	Pineapple	0	0%
403	Avocado	0	0%
404	Passion fruits	0	0%

405	Palm	0	0%
406	Mango	0	0%
407	Apple	0	0%
408	Papaya	0	0%
409	Orange	0	0%
410	Lemon	0	0%
411	Guava	0	0%
412	Olive	0	0%
413	Water melon	15	0.4%
414	Other fruits (specify).	0	0%
415	Mandoline	0	0%
416	Jack Fruits	0	0%
417	Goosebery	0	0%
418	Strawberry	0	0%
419	Coeur de boeuf	0	0%
501	Napia grass for fodder	0	0%
502	Maize for fodder	0	0%
503	Soybean for fodder	0	0%
504	Leucena	0	0%
505	Desmodium	0	0%
506	Mucuna	0	0%
507	Setaria	0	0%
508	Tripsacum	0	0%
509	Herbaceous	0	0%
510	Other fodder crop (specify).	0	0%

## S2Q4\_0: 2.4 Crop name

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 4 Invalid: 0

Type: Discrete Width: 21 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
AMASHAZA YERA IMITEJA		1	25%
CHOUX DE CHINE		1	25%

KURUGETE		1	25%
SUKUMA		1	25%

## S2Q5: 2.5 Number of plants in this plot for perennial crops

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 0 Invalid: 4283

Type: Discrete Decimal: 0 Width: 12 Range: - Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
Sysmiss	

## S2Q6: 2.6 Number of plants to be harvested in this season for perennial crops

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 0 Invalid: 4283

Type: Discrete Decimal: 0 Width: 12 Range: - Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
Sysmiss	

## S2Q7: 2.7 Sowing date

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 4283 Invalid: 0

Type: Discrete Decimal: 0 Width: 39 Range: 1 - 25 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Before 01/07	0	0%



2	Between 01-15/07	0	0%
3	Between 16-31/07	0	0%
4	Between 01-15/08	0	0%
5	Between 16-31/08	0	0%
6	Between 01-15 /09	0	0%
7	Between 16- 30/09	0	0%
8	Between 01-15/10	0	0%
9	Between16- 31/10	0	0%
10	After 31/10	0	0%
11	Other season (for perennial crops only)	0	0%
12	Before 01/01	0	0%
13	Between 01-15/01	0	0%
14	Between 16-31/01	0	0%
15	Between 01-15/02	0	0%
16	Between 16-28/02	0	0%
17	Between 01- 15/03	0	0%
18	Between16 ?31/03	0	0%
19	After 31/03	0	0%
20	Other season (for perennial crops only)	0	0%
21	Before 01/05	238	5.6%
22	Between 01- 31/05	1452	33.9%
23	Between 01- 30/06	1641	38.3%
24	Between 01-31/07	933	21.8%
25	After 31/07	19	0.4%

## S2Q8: 2.8 Expected period for crop harvesting

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 4283 Invalid: 0

Type: Discrete Decimal: 0 Width: 39 Range: 1 - 24 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Before 01/12	0	0%
2	Between 01-15/12	0	0%
3	Between 16-31/12	0	0%

4	Between 01-15/01	0	0%
5	Between 16- 31/01	0	0%
6	Between 01-28/02	0	0%
7	After Feb	0	0%
8	Other season (for perennial crops only)	0	0%
9	Before 01/05	0	0%
10	Between 01-15/05	0	0%
11	Between 15-31/05	0	0%
12	Between 01- 15/06	0	0%
13	Between 16 -30/06	0	0%
14	Between 01-15/07	0	0%
15	Between 16-31/07	0	0%
16	Between 01-31/08	0	0%
17	After August	0	0%
18	Other season (for perennial crops only)	0	0%
19	Before 01/08	280	6.5%
20	Between 01-15/08	424	9.9%
21	Between 16- 31/08	600	14%
22	Between 01-15/09	403	9.4%
23	Between 16 -30/09	1042	24.3%
24	After 30/09	1534	35.8%

## S2Q9: 2.9 Did you use improved seed for this crop in any of your plots in this season?

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 4283 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	1205	28.1%
2	No	3078	71.9%

## S2Q10: 2.10 Where did improved seeds sown come from?

Data file: rwa-sas-seasonC\_Crop production

**Overview**

Valid: 1207 Invalid: 3076

Type: Discrete Decimal: 0 Width: 29 Range: 1 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Government (MINAGRI/RAB/NAEB)	70	5.8%
2	Recognized seed multipliers	79	6.5%
3	Agro dealers	584	48.4%
4	NGOs	20	1.7%
5	Market	374	31%
6	Agriculture cooperative	47	3.9%
7	Other (specify)	33	2.7%
Sysmiss		3076	

**S2Q11: 2.11 Type of seeds sown in this plot****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283 Invalid: 0

Type: Discrete Decimal: 0 Width: 17 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Traditional seeds	3123	72.9%
2	Improved seeds	1134	26.5%
3	1&2	26	0.6%

**S2Q12: 2.12 Is the seed sown in this plot for the current season?****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	4249	99.2%
2	No	34	0.8%

### S2Q13\_1: 2.13.1 Unit of traditional seeds

Data file: rwa-sas-seasonC\_Crop production

#### Overview

Valid: 3117 Invalid: 1166

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Kg	1600	51.3%
2	g	270	8.7%
3	Cuttings	0	0%
4	Not applicable (NA)	1247	40%
Sysmiss		1166	

### S2Q13\_2: 2.13.2 Quantity Sown

Data file: rwa-sas-seasonC\_Crop production

#### Overview

Valid: 1870 Invalid: 2413 Minimum: 0.03 Maximum: 4175 Mean: 88.786 Standard deviation: 252.124

Type: Continuous Decimal: 0 Width: 10 Range: 0.03 - 4175 Format: Numeric

### S2Q14: 2.14 Quantity of traditional seeds purchased and sown in the plot

Data file: rwa-sas-seasonC\_Crop production

#### Overview

Valid: 1870 Invalid: 2413 Minimum: 0 Maximum: 4000 Mean: 47.519 Standard deviation: 159.286

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 4000 Format: Numeric

**S2Q15: 2.15 Amount spent for the purchase of traditional seeds for this plot (Rwf)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 2426   Invalid: 1857   Minimum: 0   Maximum: 3000000   Mean: 19743.986   Standard deviation: 87899.898

Type: Continuous   Decimal: 0   Width: 12   Range: 0 - 3000000   Format: Numeric

**S2Q16\_1: 2.16.1 Unit of improved seeds****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 1166   Invalid: 3117

Type: Discrete   Decimal: 0   Width: 19   Range: 1 - 4   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kg	222	19%
2	g	827	70.9%
3	Cuttings	0	0%
4	Not applicable (NA)	117	10%
Sysmiss		3117	

**S2Q16\_2: 2.16.2 Quantity Sown****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 1041   Invalid: 3242   Minimum: 0.01   Maximum: 5000   Mean: 148.207   Standard deviation: 320.23

Type: Continuous   Decimal: 0   Width: 10   Range: 0.01 - 5000   Format: Numeric

**S2Q17: 2.17 Quantity of improved seeds purchased and sown in this plot****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 1041   Invalid: 3242   Minimum: 0   Maximum: 5000   Mean: 143.568   Standard deviation: 320.846

Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 5000   Format: Numeric

**S2Q18: 2.18 Amount spent for the purchase of improved seeds sown in this plot(Rwf)****Data file:** rwa-sas-seasonC\_Crop production

**Overview**

Valid: 1106   Invalid: 3177   Minimum: 0   Maximum: 3000000   Mean: 28533.8   Standard deviation: 123939.152

Type: Continuous   Decimal: 0   Width: 12   Range: 0 - 3000000   Format: Numeric

**S2Q19: 2.19 Quantity already harvested in this season (in Kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 100000   Mean: 118.81   Standard deviation: 1636.988

Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 100000   Format: Numeric

**S2Q20: 2.20 Remaining quantity to be harvested(in Kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 40000   Mean: 483.935   Standard deviation: 1732.959

Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 40000   Format: Numeric

**S2Q21: 2.21 Total quantity of harvest for this season (in Kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 100000   Mean: 602.745   Standard deviation: 2420.582

Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 100000   Format: Numeric

**S2Q22\_1: 2.22.1 Explanation on crop production status****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0

Type: Discrete   Decimal: 0   Width: 34   Range: 1 - 16   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Drought	703	16.4%
2	Heavy rainfall/Hailstones	46	1.1%
3	Insufficient rainfall	1191	27.8%
4	insufficient/Lack of fertilizers	632	14.8%

5	Late sowing	50	1.2%
6	Flood	24	0.6%
7	Landslide	0	0%
8	Crop destroyed by animals (grazes)	10	0.2%
9	Diseases and pests	415	9.7%
10	Unfertile soil	47	1.1%
11	Inappropriate seeds	57	1.3%
12	Good harvest as it was expected	954	22.3%
13	lack of improved seed	51	1.2%
14	Strong winds	1	0%
15	Perennial crops not yet mature	0	0%
16	Other reason (Specify)	102	2.4%

## S2Q22\_2: 2.22.2 Explanation on crop production status

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 1434 Invalid: 2849

Type: Discrete Decimal: 0 Width: 34 Range: 1 - 16 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Drought	0	0%
2	Heavy rainfall/Hailstones	2	0.1%
3	Insufficient rainfall	25	1.7%
4	insufficient/Lack of fertilizers	547	38.1%
5	Late sowing	68	4.7%
6	Flood	13	0.9%
7	Landslide	0	0%
8	Crop destroyed by animals (grazes)	12	0.8%
9	Diseases and pests	419	29.2%
10	Unfertile soil	65	4.5%
11	Inappropriate seeds	94	6.6%
12	Good harvest as it was expected	0	0%
13	lack of improved seed	95	6.6%
14	Strong winds	0	0%
15	Perennial crops not yet mature	0	0%

16	Other reason (Specify)	94	6.6%
Sysmiss		2849	

### S2Q22\_3: 2.22.3 Explanation on crop production status

Data file: rwa-sas-seasonC\_Crop production

#### Overview

Valid: 383 Invalid: 3900

Type: Discrete Decimal: 0 Width: 34 Range: 1 - 16 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Drought	0	0%
2	Heavy rainfall/Hailstones	0	0%
3	Insufficient rainfall	0	0%
4	insufficient/Lack of fertilizers	5	1.3%
5	Late sowing	11	2.9%
6	Flood	2	0.5%
7	Landslide	0	0%
8	Crop destroyed by animals (grazes)	2	0.5%
9	Diseases and pests	126	32.9%
10	Unfertile soil	36	9.4%
11	Inappropriate seeds	68	17.8%
12	Good harvest as it was expected	0	0%
13	lack of improved seed	84	21.9%
14	Strong winds	0	0%
15	Perennial crops not yet mature	0	0%
16	Other reason (Specify)	49	12.8%
Sysmiss		3900	

### Q\_2\_22\_1: 2.22 Explanation on crop production status

Data file: rwa-sas-seasonC\_Crop production

#### Overview

Valid: 4283 Invalid: 0

Type: Discrete Width: 3 Range: - Format: character



## Questions and instructions

### CATEGORIES

Value	Category	Cases	
A		332	7.8%
AB		1	0%
ABD		1	0%
AC		12	0.3%
ACD		3	0.1%
ACI		4	0.1%
ACK		3	0.1%
ACM		1	0%
AD		82	1.9%
ADE		2	0%
ADF		2	0%
ADH		1	0%
ADI		41	1%
ADJ		7	0.2%
ADK		9	0.2%
ADM		9	0.2%
ADP		5	0.1%
AE		7	0.2%
AEI		3	0.1%
AEK		3	0.1%
AEM		7	0.2%
AF		5	0.1%
AFI		1	0%
AH		2	0%
AHI		1	0%
AI		90	2.1%
AIJ		7	0.2%
AIK		6	0.1%
AIM		6	0.1%
AIP		1	0%
AJ		10	0.2%
AJK		1	0%
AJM		2	0%
AK		17	0.4%
AKM		3	0.1%

AM		7	0.2%
AMP		1	0%
AP		8	0.2%
B		19	0.4%
BCD		1	0%
BCE		1	0%
BD		6	0.1%
BDI		5	0.1%
BDJ		1	0%
BI		8	0.2%
BIJ		1	0%
BIP		1	0%
BK		1	0%
BM		2	0%
C		557	13%
CD		245	5.7%
CDE		8	0.2%
CDH		1	0%
CDI		67	1.6%
CDJ		11	0.3%
CDK		5	0.1%
CDM		24	0.6%
CDP		16	0.4%
CE		20	0.5%
CEI		2	0%
CEK		4	0.1%
CEM		3	0.1%
CF		1	0%
CH		1	0%
CHK		1	0%
CI		108	2.5%
CIJ		2	0%
CIK		17	0.4%
CIM		6	0.1%
CIP		5	0.1%
CJ		14	0.3%
CJM		1	0%
CJP		1	0%
CK		18	0.4%

CKM		5	0.1%
CM		32	0.7%
CMP		2	0%
CP		15	0.4%
D		343	8%
DE		14	0.3%
DEI		2	0%
DEM		2	0%
DEP		1	0%
DF		4	0.1%
DFP		1	0%
DHJ		2	0%
DHP		2	0%
DI		113	2.6%
DIJ		3	0.1%
DIK		8	0.2%
DIM		12	0.3%
DIP		20	0.5%
DJ		24	0.6%
DJK		1	0%
DK		17	0.4%
DKM		1	0%
DM		13	0.3%
DMP		2	0%
DP		44	1%
E		33	0.8%
EF		1	0%
EH		1	0%
EI		3	0.1%
EJP		1	0%
EK		1	0%
EKM		1	0%
EKP		1	0%
EM		5	0.1%
EMP		1	0%
EP		3	0.1%
F		22	0.5%
FI		1	0%
FK		1	0%

H		9	0.2%
HI		1	0%
I		334	7.8%
IJ		3	0.1%
IJK		3	0.1%
IJP		2	0%
IK		20	0.5%
IKM		1	0%
IKP		1	0%
IM		22	0.5%
IMP		2	0%
IP		27	0.6%
J		39	0.9%
JK		2	0%
JM		3	0.1%
JP		1	0%
K		50	1.2%
KM		3	0.1%
KP		1	0%
L		954	22.3%
M		48	1.1%
MP		3	0.1%
N		1	0%
P		108	2.5%

## S2Q23: 2.23. What was the quantity produced? (Kg)

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 4283 Invalid: 0 Minimum: 0 Maximum: 450000 Mean: 1914.245 Standard deviation: 12382.599  
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 450000 Format: Numeric

## S2Q24: 2.24. What was the quantity processed at farm level?

Data file: rwa-sas-seasonC\_Crop production

### Overview

Valid: 4283 Invalid: 0 Minimum: 0 Maximum: 4000 Mean: 4.253 Standard deviation: 92.936  
 Type: Continuous Decimal: 0 Width: 10 Range: 0 - 4000 Format: Numeric

**S2Q25: 2.25. What was the quantity sold?****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 430000   Mean: 1639.473   Standard deviation: 12085.527  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 430000   Format: Numeric

**S2Q26: 2.26 On which market this crop was sold?****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 3172   Invalid: 1111  
 Type: Discrete   Decimal: 0   Width: 31   Range: 1 - 4   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Farm/Home	933	29.4%
2	Market	2145	67.6%
3	Cooperative/company/Association	90	2.8%
4	Other selling place	4	0.1%
Sysmiss		1111	

**S2Q27: 2.27 What was the selling price per kilogram? (Rwf/Kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 3175   Invalid: 1108   Minimum: 15   Maximum: 6000   Mean: 756.439   Standard deviation: 400.816  
 Type: Continuous   Decimal: 0   Width: 12   Range: 15 - 6000   Format: Numeric

**S2Q28: 2.28. What was the quantity used for own consumption?****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 9960   Mean: 148.818   Standard deviation: 379.884  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 9960   Format: Numeric

**S2Q29: 2.29. What was the quantity used as wages?****Data file:** rwa-sas-seasonC\_Crop production

**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 2000   Mean: 7.113   Standard deviation: 64.153  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 2000   Format: Numeric

---

**S2Q30: 2.30. What was the quantity used as farm rent?**

**Data file:** rwa-sas-seasonC\_Crop production

**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 3800   Mean: 3.718   Standard deviation: 82.396  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 3800   Format: Numeric

---

**S2Q31: 2.31. What was the quantity used as gift?**

**Data file:** rwa-sas-seasonC\_Crop production

**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 4000   Mean: 34.331   Standard deviation: 119.768  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 4000   Format: Numeric

---

**S2Q32: 2.32. What was the quantity exchanged for other goods?**

**Data file:** rwa-sas-seasonC\_Crop production

**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 100   Mean: 0.206   Standard deviation: 4.037  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 100   Format: Numeric

---

**S2Q33: 2.33. What was the quantity used as seeds?**

**Data file:** rwa-sas-seasonC\_Crop production

**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 15000   Mean: 57.525   Standard deviation: 474.243  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 15000   Format: Numeric

---

**S2Q34: 2.34. What was the quantity used to feed animals?**

**Data file:** rwa-sas-seasonC\_Crop production

**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 1800   Mean: 4.1   Standard deviation: 40.774  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 1800   Format: Numeric

---

**S2Q35: 2.35. What was the quantity stored?****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283    Invalid: 0    Minimum: 0    Maximum: 500    Mean: 0.73    Standard deviation: 15.203  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 500    Format: Numeric

**S2Q36: 2.36 What is the storage facility used during this agricultural season?****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 34    Invalid: 0  
 Type: Discrete    Width: 1    Range: -    Format: character

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		33	97.1%
4		1	2.9%

**S2Q37: 2.37 Quantity of production stored in public storage (kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 10    Range: 0 - 0    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		4283	100%

**S2Q38: 2.38 On the total production of this crop what is the quantity that has been los****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283    Invalid: 0    Minimum: 0    Maximum: 6000    Mean: 13.723    Standard deviation: 163.089  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 6000    Format: Numeric

**S2Q39: 2.38. What was the quantity used in other forms?****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 14900   Mean: 4.51   Standard deviation: 228.885  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 14900   Format: Numeric

---

**S2Q40: 2.40 What was the total quantity stolen ?(kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 550   Mean: 2.116   Standard deviation: 18.027  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 550   Format: Numeric

---

**S2Q41: 2.41 What was the total quantity damaged by insects or pests?(kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 25000   Mean: 27.859   Standard deviation: 595.457  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 25000   Format: Numeric

---

**S2Q42: 2.42 What was the total quantity lost due to birds or other animals?(kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 7000   Mean: 4.519   Standard deviation: 110.273  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 7000   Format: Numeric

---

**S2Q43: 2.43 What was the total quantity of Stalks fallen to the ground?(kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 1760   Mean: 1.94   Standard deviation: 45.445  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 1760   Format: Numeric

---

**S2Q44: 2.44 What was the total quantity lost during harvesting?(kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 35000   Mean: 13.691   Standard deviation: 543.879  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 35000   Format: Numeric

---



**S2Q45: 2.45 What was the total quantity lost in transport of produce?(kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 2000   Mean: 5.899   Standard deviation: 69.172  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 2000   Format: Numeric

**S2Q46: 2.46 What was the total quantity lost at storage?(kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 50   Mean: 0.0117   Standard deviation: 0.764  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 50   Format: Numeric

**S2Q47: 2.47 What was the total quantity lost during processing ?(kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 30   Mean: 0.0156   Standard deviation: 0.489  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 30   Format: Numeric

**S2Q48: 2.48 What was the total quantity lost during packaging ?(kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 4000   Mean: 4.272   Standard deviation: 87.513  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 4000   Format: Numeric

**S2Q49: 2.49 What was the total quantity lost at sales?(kg)****Data file:** rwa-sas-seasonC\_Crop production**Overview**

Valid: 4283   Invalid: 0   Minimum: 0   Maximum: 720   Mean: 1.821   Standard deviation: 19.187  
 Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 720   Format: Numeric

**CROP\_AREA: Developed crop area in ha****Data file:** rwa-sas-seasonC\_Crop production

## Overview

Valid: 4283   Invalid: 0   Minimum: 0.000268   Maximum: 4.494   Mean: 0.0788   Standard deviation: 0.208  
 Type: Continuous   Decimal: 0   Width: 9   Range: 0.000267968745902181 - 4.49378681182861   Format: Numeric

## PLOT\_WEIGHT: Plot weight

Data file: rwa-sas-seasonC\_Crop production

## Overview

Valid: 4283   Invalid: 0   Minimum: 0.000967   Maximum: 111.413   Mean: 4.498   Standard deviation: 9.982  
 Type: Continuous   Decimal: 0   Width: 9   Range: 0.0009670106228441 - 111.412574768066   Format: Numeric

## CROPCATEGORY: Crop Category

Data file: rwa-sas-seasonC\_Crop production

## Overview

Valid: 4283   Invalid: 0  
 Type: Discrete   Decimal: 0   Width: 15   Range: 6 - 305   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
6	Fruits	15	0.4%
7	Vegetables	1807	42.2%
8	Other crops	1	0%
9	Other cereals	0	0%
10	Taro & Yams	0	0%
11	Fodder crops	0	0%
101	Maize	0	0%
102	Paddy rice	0	0%
103	Sorghum	0	0%
104	Wheat	0	0%
106	Bush bean	420	9.8%
107	Climbing bean	38	0.9%
108	Pea	210	4.9%
110	Irish potato	832	19.4%
111	Sweet potato	836	19.5%
122	Soybean	116	2.7%
123	Groundnut	8	0.2%
301	Cooking banana	0	0%

302	Dessert banana	0	0%
303	Banana for beer	0	0%
305	Cassava	0	0%

**SEGMENT\_ID: 1.0 Segment identification****Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides****Overview**

Valid: 5618   Invalid: 0   Minimum: 110001   Maximum: 572015   Mean: 361104.844   Standard deviation: 137973.573

Type: Continuous   Decimal: 0   Width: 10   Range: 110001 - 572015   Format: Numeric

**S1Q1: 1.1 Province****Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides****Overview**

Valid: 5618   Invalid: 0

Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 5   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	562	10%
2	South	1481	26.4%
3	West	997	17.7%
4	North	1178	21%
5	East	1400	24.9%

**S1Q2: 1.2 District name & code****Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides****Overview**

Valid: 5618   Invalid: 0

Type: Discrete   Decimal: 0   Width: 10   Range: 11 - 57   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	134	2.4%
12	Gasabo	288	5.1%
13	Kicukiro	140	2.5%
21	Nyanza	247	4.4%
22	Gisagara	233	4.1%
23	Nyaruguru	151	2.7%

24	Huye	235	4.2%
25	Nyamagabe	139	2.5%
26	Ruhango	143	2.5%
27	Muhanga	141	2.5%
28	Kamonyi	192	3.4%
31	Karongi	104	1.9%
32	Rutsiro	180	3.2%
33	Rubavu	202	3.6%
34	Nyabihu	316	5.6%
35	Ngororero	36	0.6%
36	Rusizi	9	0.2%
37	Nyamasheke	150	2.7%
41	Rulindo	101	1.8%
42	Gakenke	186	3.3%
43	Musanze	358	6.4%
44	Burera	370	6.6%
45	Gicumbi	163	2.9%
51	Rwamagana	274	4.9%
52	Nyagatare	166	3%
53	Gatsibo	107	1.9%
54	Kayanza	181	3.2%
55	Kirehe	315	5.6%
56	Ngoma	167	3%
57	Bugesera	190	3.4%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5618 Invalid: 0

Type: Discrete Decimal: 0 Width: 32 Range: 0 - 40 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	Season C site	4215	75%
10	Intensive cropland on hillsides	345	6.1%
11	Intensive cropland on hillsides	0	0%

20	Intensive cropland in marshlands	998	17.8%
30	Rangelands	0	0%
40	Mixed	60	1.1%

### S1Q4: 1.4 Segment

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5618 Invalid: 0 Minimum: 1 Maximum: 94 Mean: 18.87 Standard deviation: 17.673  
 Type: Continuous Decimal: 0 Width: 8 Range: 1 - 94 Format: Numeric

### S1Q6: 1.6 Farmer ID/LSF ID

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5618 Invalid: 0 Minimum: 1 Maximum: 73 Mean: 8.174 Standard deviation: 8.374  
 Type: Continuous Decimal: 0 Width: 8 Range: 1 - 73 Format: Numeric

### S1Q7: 1.7 Farmer/LSF type

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5618 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 53 Range: 1 - 4 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Small scale farmer as individual	5501	97.9%
2	Small Scale farmer as Coperative/Company/Association,	106	1.9%
3	Large scale farmer as individual	1	0%
4	Large scale farmer as Coperative/Company/Association	10	0.2%

### S1Q8: 1.8 Gender

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5502 Invalid: 116  
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Male	3728	67.8%
2	Female	1774	32.2%
Sysmiss		116	

### S1Q9: 1.9 Age

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5502 Invalid: 116 Minimum: 6 Maximum: 105 Mean: 44.392 Standard deviation: 12.915  
 Type: Continuous Decimal: 0 Width: 8 Range: 6 - 105 Format: Numeric

### S2Q1: 2.1 Plot No

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5618 Invalid: 0 Minimum: 1 Maximum: 73 Mean: 8.319 Standard deviation: 8.375  
 Type: Continuous Decimal: 0 Width: 8 Range: 1 - 73 Format: Numeric

### S2Q2: 2.2 Plot area(sqm)

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5618 Invalid: 0 Minimum: 23.593 Maximum: 46221.719 Mean: 1570.94 Standard deviation: 3626.225  
 Type: Continuous Decimal: 0 Width: 8 Range: 23.5925922393799 - 46221.71875 Format: Numeric

### S2Q3: 2.3 Number of main crops to be harvested during this season in the plot.

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5618 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-------	----------	-------	--

1		4106	73.1%
2		1106	19.7%
3		315	5.6%
4		81	1.4%
5		10	0.2%

### S3Q1: 3.1 Did you use organic fertilizer in any of your plots during this season?

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5618 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Yes	4698	83.6%
2	No	920	16.4%

### S3Q2: 3.2 Number of source where did organic fertilizer used came from?

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 4698 Invalid: 920

Type: Discrete Decimal: 0 Width: 9 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1		4222	89.9%
2		475	10.1%
3		1	0%
Sysmiss		920	

### S3Q2\_1: 3.2\_1 Where did organic fertilizer used came from?

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides



**Overview**

Valid: 4698 Invalid: 920

Type: Discrete Decimal: 0 Width: 47 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Own preparation (manure, compost, Biogas, etc.)	3272	69.6%
2	Bought	1353	28.8%
3	Received for free	72	1.5%
4	Other(Specify)	1	0%
Sysmiss		920	

**S3Q2\_2: 3.2\_2 Where did organic fertilizer used came from?**

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

**Overview**

Valid: 476 Invalid: 5142

Type: Discrete Decimal: 0 Width: 47 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Own preparation (manure, compost, Biogas, etc.)	0	0%
2	Bought	438	92%
3	Received for free	35	7.4%
4	Other(Specify)	3	0.6%
Sysmiss		5142	

**S3Q2\_3: 3.2\_3 Where did organic fertilizer used came from?**

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

**Overview**

Valid: 1 Invalid: 5617

Type: Discrete Decimal: 0 Width: 47 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Own preparation (manure, compost, Biogas, etc.)	0	0%
2	Bought	0	0%
3	Received for free	1	100%
4	Other(Specify)	0	0%
Sysmiss		5617	

### S3Q3: 3.3 Have you used organic fertilizer in this plot during this season?

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 5618 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	4459	79.4%
2	No	1159	20.6%

### S3Q4: 3.4 Total cost of organic fertilizer purchased (Frw)

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 1695 Invalid: 3923 Minimum: 5 Maximum: 600000 Mean: 37750.428 Standard deviation: 76949.928  
 Type: Continuous Decimal: 0 Width: 12 Range: 5 - 600000 Format: Numeric

### S3Q5: 3.5 Was the quantity of organic fertilizer used sufficient for you compared to t

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 4459 Invalid: 1159  
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	2752	61.7%

2	No	1707	38.3%
Sysmiss		1159	

### S3Q6: 3.6 Number of reasons If the organic fertilizer used was not sufficient

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 1707 Invalid: 3911

Type: Discrete Decimal: 0 Width: 9 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1		936	54.8%
2		771	45.2%
Sysmiss		3911	

### S3Q6\_1: 3.6\_1 If the organic fertilizer used was not sufficient, what are the main reaso

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 1707 Invalid: 3911

Type: Discrete Decimal: 0 Width: 28 Range: 1 - 6 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	No livestock at home	333	19.5%
2	Few livestock at home	912	53.4%
3	Not available on market	60	3.5%
4	Lack of financial means	238	13.9%
5	Lack of transport facilities	164	9.6%
6	Other reason (specify)	0	0%
Sysmiss		3911	

### S3Q6\_2: 3.6\_2 If the organic fertilizer used was not sufficient, what are the main reaso

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

**Overview**

Valid: 771 Invalid: 4847

Type: Discrete Decimal: 0 Width: 28 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	No livestock at home	0	0%
2	Few livestock at home	4	0.5%
3	Not available on market	72	9.3%
4	Lack of financial means	613	79.5%
5	Lack of transport facilities	72	9.3%
6	Other reason (specify)	10	1.3%
Sysmiss		4847	

**S3Q7: 3.7 Did you use inorganic fertilizer in any of your plots during this season?**

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

**Overview**

Valid: 5618 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	4673	83.2%
2	No	945	16.8%

**S3Q8: 3.8 What is the main source of fertilizer used?**

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

**Overview**

Valid: 4673 Invalid: 945

Type: Discrete Decimal: 0 Width: 29 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-------	----------	-------	--

1	Government (MINAGRI/RAB/NAEB)	49	1%
2	Agro-dealers	3257	69.7%
3	NGOs	624	13.4%
4	Market	491	10.5%
5	Agriculture cooperative	227	4.9%
6	Other place	25	0.5%
Sysmiss		945	

### S3Q9: 3.9 Have you used inorganic fertilizer in this plot during this season?

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 4678 Invalid: 940

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Yes	3608	77.1%
2	No	1070	22.9%
Sysmiss		940	

### S3Q10: 3.10 Type of inorganic fertilizer used

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 3608 Invalid: 2010

Type: Discrete Decimal: 0 Width: 35 Range: 1 - 99 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	NPK 17-17-17;	1387	38.4%
2	NPK 20-10-10;	8	0.2%
3	NPK 25-5-5;	1	0%
4	NPK 22-6-12;	1	0%
5	Other NPK;	24	0.7%
6	Urea;	1192	33%

7	liquid urea (Mbonea Majimaji);	89	2.5%
8	DAP	740	20.5%
9	TSP	0	0%
10	KCL/MOP,	0	0%
11	Omax;	23	0.6%
12	Winner;	14	0.4%
13	Yara Viva;	20	0.6%
14	Amidas;	8	0.2%
15	Cereal;	5	0.1%
16	Boaster;	1	0%
17	DI Grow;	29	0.8%
18	Dyna gro;	3	0.1%
19	Other type of fertilizer (specify).	63	1.7%
99	NA	0	0%
Sysmiss		2010	

### S3Q11: 3.11 Measurement unit

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 3608 Invalid: 2010

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 4 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Kg;	3423	94.9%
2	g;	0	0%
3	L,	182	5%
4	Cc	3	0.1%
Sysmiss		2010	

### S3Q12: 3.12 Total quantity used in this plot

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

#### Overview

Valid: 3608 Invalid: 2010 Minimum: 0.06 Maximum: 2000 Mean: 28.967 Standard deviation: 90.955

Type: Continuous Decimal: 0 Width: 10 Range: 0.06 - 2000 Format: Numeric

**S3Q13: 3.13 Quantity purchased and used in this plot****Data file:** rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 3608    Invalid: 2010    Minimum: 0    Maximum: 2000    Mean: 28.859    Standard deviation: 90.939  
 Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 2000    Format: Numeric

**S3Q14: 3.14 Unit price (Rwf)****Data file:** rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 3576    Invalid: 2042    Minimum: 60    Maximum: 9600    Mean: 660.387    Standard deviation: 724.272  
 Type: Continuous    Decimal: 0    Width: 12    Range: 60 - 9600    Format: Numeric

**S3Q15: 3.15 Main crops to be fertilized?****Data file:** rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 3608    Invalid: 2010  
 Type: Discrete    Decimal: 0    Width: 34    Range: 101 - 510    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
101	Maize	1	0%
102	Paddy rice	0	0%
103	Sorghum	0	0%
104	Wheat	0	0%
105	Other cereal(specify)	0	0%
106	Bush bean	175	4.9%
107	Climbing bean	11	0.3%
108	Pea	65	1.8%
109	Other pulse(specify)	0	0%
110	Irish potato	952	26.4%
111	Sweet potato	34	0.9%
112	Taro	0	0%
113	Yams	0	0%
114	Other tubers(specify)	0	0%

115	Tomato	869	24.1%
116	Cabbage	296	8.2%
117	Cauliflower	13	0.4%
118	Onion	268	7.4%
119	Carrot	112	3.1%
120	Eggplant	316	8.8%
121	Other seasonal vegetables(specify)	7	0.2%
122	Soybean	8	0.2%
123	Groundnut	4	0.1%
124	Sun flower	0	0%
125	Black eggplant	12	0.3%
126	Sweet pepper	56	1.6%
127	Amaranth	144	4%
128	Celery	1	0%
129	Spinach	18	0.5%
130	Small red bean	0	0%
131	Beet root	41	1.1%
132	Garlic	15	0.4%
133	African cabbage	0	0%
134	Leek	4	0.1%
135	French beans	139	3.9%
136	Letus	0	0%
137	Broccoli	9	0.2%
138	Millet	0	0%
139	Cucumber	9	0.2%
140	Other seasonal crops(specify).	0	0%
201	Pyrethrum	0	0%
202	Pepper	0	0%
203	Pumpkin	2	0.1%
204	Napia grass	0	0%
205	Sugar cane	0	0%
206	Other annual crops (specify).	0	0%
301	Cooking banana	0	0%
302	Dessert banana	0	0%
303	Banana for beer	0	0%
304	Coffee	0	0%
305	Cassava	0	0%
306	Mulberry	0	0%
307	Jatropha	0	0%



308	Stevia	0	0%
309	Macadamia	0	0%
310	Tea	0	0%
311	Other perennial crop (Specify).	0	0%
401	Tree tomato	0	0%
402	Pineapple	0	0%
403	Avocado	0	0%
404	Passion fruits	0	0%
405	Palm	0	0%
406	Mango	0	0%
407	Apple	0	0%
408	Papaya	0	0%
409	Orange	0	0%
410	Lemon	0	0%
411	Guava	0	0%
412	Olive	0	0%
413	Water melon	27	0.7%
414	Other fruits (specify).	0	0%
415	Mandoline	0	0%
416	Jack Fruits	0	0%
417	Goosebery	0	0%
418	Strawberry	0	0%
419	Coeur de boeuf	0	0%
501	Napia grass for fodder	0	0%
502	Maize for fodder	0	0%
503	Soybean for fodder	0	0%
504	Leucena	0	0%
505	Desmodium	0	0%
506	Mucuna	0	0%
507	Setaria	0	0%
508	Tripsacum	0	0%
509	Herbaceous	0	0%
510	Other fodder crop (specify).	0	0%
Sysmiss		2010	

### S3Q16: 3.16 Did you use any type of micro-nutrients in any of your plots in this season

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

**Overview**

Valid: 5618 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	191	3.4%
2	No	5427	96.6%

**S3Q17: 3.17 Did you use any type of micro-nutrients in this plot during this season?**

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

**Overview**

Valid: 5618 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	143	2.5%
2	No	5475	97.5%

**S3Q18: 3.18 Did you use pesticide/Fungicide in any of your plots during this season?**

Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides

**Overview**

Valid: 5618 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	4550	81%
2	No	1068	19%

**S3Q19: 3.19 Have you used pesticide/Fungicide in this plot during this current season?****Data file:** rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 5618 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	4374	77.9%
2	No	1244	22.1%

**S3Q20: 3.20 Pesticide type****Data file:** rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 4030 Invalid: 1588

Type: Discrete Decimal: 0 Width: 36 Range: 1 - 99 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Dithane	1264	31.4%
2	Ridomil	148	3.7%
3	Dimethoate (DUDU)	493	12.2%
4	Cypermethrin	571	14.2%
5	Dursiban	7	0.2%
6	Tilt	0	0%
7	Pilkare	0	0%
8	Rocket	1042	25.9%
9	Beam	2	0%
10	Lava	18	0.4%
11	Rodazim	1	0%
12	Thiovit	3	0.1%
13	Safari max	64	1.6%
14	Victory	10	0.2%
15	Copper (akaribata)	31	0.8%
16	Supra	7	0.2%

17	Alfatox	1	0%
18	Daconil	0	0%
19	Vendex	0	0%
20	Ortivatop	3	0.1%
21	Mastercop	0	0%
22	Atoce	0	0%
23	Lambdex	13	0.3%
24	Evisect	0	0%
25	Prove	1	0%
26	Abamectin	3	0.1%
27	Fenvalerate	0	0%
28	Copper oxychloride	17	0.4%
29	Othello	0	0%
30	Balcolex	1	0%
31	Cabrio	0	0%
32	Commando	7	0.2%
33	Confidor	2	0%
34	Cypro	3	0.1%
35	Easygrowth	66	1.6%
36	Endofil	2	0%
37	Indofil M 45	0	0%
38	Safari	21	0.5%
39	Jacket	7	0.2%
40	Lambda	4	0.1%
41	Mancozeb	11	0.3%
42	Millmax	5	0.1%
43	Miovit	3	0.1%
44	Octiva	0	0%
45	Orius	0	0%
46	Ramdan	2	0%
47	Profex super	44	1.1%
48	Round all	0	0%
49	Safari Zeb	13	0.3%
50	Scower	0	0%
51	Sumithio	0	0%
52	Vital	6	0.1%
53	Other pesticides/fungicides(specify)	134	3.3%
99	NA	0	0%
Sysmiss		1588	

**S3Q21: 3.21 Pesticide unit****Data file:** rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 4030 Invalid: 1588

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kg;	1392	34.5%
2	g;	322	8%
3	L,	439	10.9%
4	Cc	1877	46.6%
Sysmiss		1588	

**S3Q22: 3.22 Total Quantity of pesticide used****Data file:** rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 4030 Invalid: 1588 Minimum: 0.01 Maximum: 24000 Mean: 150.001 Standard deviation: 542.04

Type: Continuous Decimal: 0 Width: 10 Range: 0.01 - 24000 Format: Numeric

**S3Q23: 3.23 Quantity of Pesticide purchased in this plot****Data file:** rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 4030 Invalid: 1588 Minimum: 0 Maximum: 24000 Mean: 148.604 Standard deviation: 540.223

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 24000 Format: Numeric

**S3Q24: 3.24 Total amount spent on quantity bought (Rwf)****Data file:** rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides**Overview**

Valid: 3995 Invalid: 1623 Minimum: 30 Maximum: 4200000 Mean: 22555.798 Standard deviation: 130664.521

Type: Continuous Decimal: 0 Width: 12 Range: 30 - 4200000 Format: Numeric

**PLOT\_WEIGHT: plot weight****Data file: rwa-sas-SeasonC\_PartIII\_Fertilizers\_Pesticides****Overview**

Valid: 5618    Invalid: 0    Minimum: 0.00849    Maximum: 5385.514    Mean: 119.215    Standard deviation: 338.476

Type: Continuous    Decimal: 0    Width: 9    Range: 0.0084901126101613 - 5385.51416015625    Format: Numeric

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**SEGMENT\_ID: 1.0 Segment identification****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 3251   Invalid: 0   Minimum: 110001   Maximum: 572015   Mean: 351093.421   Standard deviation: 131426.752

Type: Continuous   Decimal: 0   Width: 10   Range: 110001 - 572015   Format: Numeric

**S1Q1: 1.1 Province****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 3251   Invalid: 0

Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 5   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	270	8.3%
2	South	1023	31.5%
3	West	586	18%
4	North	710	21.8%
5	East	662	20.4%

**S1Q2: 1.2 District name & code****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 3251   Invalid: 0

Type: Discrete   Decimal: 0   Width: 10   Range: 11 - 57   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	74	2.3%
12	Gasabo	128	3.9%
13	Kicukiro	68	2.1%
21	Nyanza	147	4.5%
22	Gisagara	139	4.3%
23	Nyaruguru	142	4.4%

24	Huye	183	5.6%
25	Nyamagabe	100	3.1%
26	Ruhango	104	3.2%
27	Muhanga	106	3.3%
28	Kamonyi	102	3.1%
31	Karongi	89	2.7%
32	Rutsiro	122	3.8%
33	Rubavu	91	2.8%
34	Nyabihu	165	5.1%
35	Ngororero	35	1.1%
36	Rusizi	3	0.1%
37	Nyamasheke	81	2.5%
41	Rulindo	68	2.1%
42	Gakenke	148	4.6%
43	Musanze	166	5.1%
44	Burera	218	6.7%
45	Gicumbi	110	3.4%
51	Rwamagana	125	3.8%
52	Nyagatare	77	2.4%
53	Gatsibo	75	2.3%
54	Kayonza	75	2.3%
55	Kirehe	131	4%
56	Ngoma	92	2.8%
57	Bugesera	87	2.7%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 3251 Invalid: 0

Type: Discrete Decimal: 0 Width: 35 Range: 0 - 40 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	Season C Site	2351	72.3%
10	10 Intensive cropland on hillsides	203	6.2%
20	20 Intensive cropland in marshlands	667	20.5%



30	30 Rangelands	0	0%
40	40 Mixed	30	0.9%

### S1Q4: 1.4 Segment

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 3251 Invalid: 0 Minimum: 1 Maximum: 94 Mean: 17.752 Standard deviation: 16.422  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 94 Format: Numeric

### S1Q6: 1.6 Farmer ID

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 3251 Invalid: 0 Minimum: 1 Maximum: 73 Mean: 7.968 Standard deviation: 8.083  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 73 Format: Numeric

### S1Q8: 1.8 Gender

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 3178 Invalid: 73  
Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Male	2026	63.8%
2	Female	1152	36.2%
Sysmiss		73	

### S1Q9: 1.9 Age

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 3178 Invalid: 73 Minimum: 6 Maximum: 105 Mean: 45.711 Standard deviation: 13.372  
Type: Continuous Decimal: 0 Width: 8 Range: 6 - 105 Format: Numeric

**S2Q1: 2.1 Plot No****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 3251   Invalid: 0   Minimum: 1   Maximum: 73   Mean: 8.112   Standard deviation: 8.092  
 Type: Continuous   Decimal: 0   Width: 8   Range: 1 - 73   Format: Numeric

**S2Q2: 2.2 Plot area (m2)****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 3251   Invalid: 0   Minimum: 23.593   Maximum: 46221.719   Mean: 1165.37   Standard deviation: 2750.131  
 Type: Continuous   Decimal: 0   Width: 8   Range: 23.5925922393799 - 46221.71875   Format: Numeric

**S3Q25: 3.25 Is this plot located in land consolidated site in this season?****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 3250   Invalid: 1  
 Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	1161	35.7%
2	No	2089	64.3%
Sysmiss		1	

**S3Q26\_1: 3.26 What do you gain as support from land consolidation program?****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 1161   Invalid: 2090  
 Type: Discrete   Decimal: 0   Width: 31   Range: 1 - 8   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Seeds	181	15.6%

2	Fertilizer	231	19.9%
3	Access to irrigation facilities	90	7.8%
4	Access to storage facilities	1	0.1%
5	Access to market	60	5.2%
6	Extension services	208	17.9%
7	=No benefit	371	32%
8	Other(Specify)	19	1.6%
Sysmiss		2090	

### S3Q26\_2: 3.26 What do you gain as support from land consolidation program?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 399 Invalid: 2852

Type: Discrete Decimal: 0 Width: 31 Range: 1 - 8 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Seeds	0	0%
2	Fertilizer	121	30.3%
3	Access to irrigation facilities	61	15.3%
4	Access to storage facilities	18	4.5%
5	Access to market	81	20.3%
6	Extension services	108	27.1%
7	=No benefit	0	0%
8	Other(Specify)	10	2.5%
Sysmiss		2852	

### S3Q26\_3: 3.26 What do you gain as support from land consolidation program?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 167 Invalid: 3084

Type: Discrete Decimal: 0 Width: 31 Range: 1 - 8 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Seeds	0	0%
2	Fertilizer	0	0%
3	Access to irrigation facilities	14	8.4%
4	Access to storage facilities	4	2.4%
5	Access to market	58	34.7%
6	Extension services	88	52.7%
7	=No benefit	0	0%
8	Other(Specify)	3	1.8%
Sysmiss		3084	

### S3Q26\_4: 3.26 What do you gain as support from land consolidation program?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 53 Invalid: 3198

Type: Discrete Decimal: 0 Width: 31 Range: 1 - 8 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Seeds	0	0%
2	Fertilizer	0	0%
3	Access to irrigation facilities	0	0%
4	Access to storage facilities	0	0%
5	Access to market	7	13.2%
6	Extension services	44	83%
7	=No benefit	0	0%
8	Other(Specify)	2	3.8%
Sysmiss		3198	

### S4Q1: 4.1 What is the degree of erosion on this plot?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 3250 Invalid: 1

Type: Discrete Decimal: 0 Width: 87 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Severe (Rill erosion, Gully erosion, Mass movement/landslides)	53	1.6%
2	Moderate (Diffuse overland flow Erosion, Overland flow erosion, erosion by Infiltration)	281	8.6%
3	Low (Wind erosion)	965	29.7%
4	Very Low (Splash erosion)	1951	60%
Sysmiss		1	

### S4Q2: 4.2 Is there any anti-erosion activity in any of your plots?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 3250 Invalid: 1

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	3077	94.7%
2	No	173	5.3%
Sysmiss		1	

### S4Q3: 4.3 Is there any anti-erosion activity on this plot?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 3077 Invalid: 174

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	2812	91.4%
2	No	265	8.6%
Sysmiss		174	

**S4Q4: 4.4 Were these anti-erosion activities done during the current agricultural seas****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 2812    Invalid: 439

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	858	30.5%
2	No	1954	69.5%
Sysmiss		439	

**S4Q5: 4.5 What is the total cost of anti-erosion activities done during this season (F****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 858    Invalid: 2393    Minimum: 0    Maximum: 2500000    Mean: 18827.191    Standard deviation: 129424.62

Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 2500000    Format: Numeric

**S4Q6: 4.6 Did you use any mechanical equipment for agriculture activities in any of yo****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 3250    Invalid: 1

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	22	0.7%
2	No	3228	99.3%
Sysmiss		1	

**S4Q7: 4.7 Did you use any mechanical equipment for agriculture activities on this plot****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 22    Invalid: 3229

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	10	45.5%
2	No	12	54.5%
Sysmiss		3229	

**S4Q8\_1: 4.8.1 Have you used ploughing animals (oxen) in this plot during this season?****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 10    Invalid: 3241

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	0	0%
2	No	10	100%
Sysmiss		3241	

**S4Q8\_2: 4.8.2 At which stage of agriculture practice have you used animal ploughing?****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 1    Range: -    Format: character

**S4Q8\_3: 4.8.3 Amount paid on ploughing animals during this season (Rwf)****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice

**Overview**

Valid: 0 Invalid: 3251

Type: Discrete Decimal: 0 Width: 12 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
Sysmiss	

**S4Q9\_1: 4.9.1 Have you used a ploughing tractor in this plot during this season?****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 10 Invalid: 3241

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	8	80%
2	No	2	20%
Sysmiss		3241	

**S4Q9\_2\_1: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?****Data file:** rwa-sas-SeasonC\_PartIV\_Agricultural practice**Overview**

Valid: 8 Invalid: 3243

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Ploughing	8	100%
2	Soil leveling	0	0%
3	Raking	0	0%
4	Manuring	0	0%
5	Sowing	0	0%



6	Weeding	0	0%
7	Irrigation	0	0%
8	Harvesting	0	0%
9	Threshing	0	0%
10	Winnowing	0	0%
11	Harvest packing	0	0%
12	Pesticides Spraying	0	0%
13	Other stage of agriculture practice(Specify)	0	0%
Sysmiss		3243	

#### S4Q9\_2\_2: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

##### Overview

Valid: 4 Invalid: 3247

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

##### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Ploughing	0	0%
2	Soil leveling	4	100%
3	Raking	0	0%
4	Manuring	0	0%
5	Sowing	0	0%
6	Weeding	0	0%
7	Irrigation	0	0%
8	Harvesting	0	0%
9	Threshing	0	0%
10	Winnowing	0	0%
11	Harvest packing	0	0%
12	Pesticides Spraying	0	0%
13	Other stage of agriculture practice(Specify)	0	0%
Sysmiss		3247	

#### S4Q9\_2\_3: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

**Overview**

Valid: 0 Invalid: 3251

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Ploughing
2	Soil leveling
3	Raking
4	Manuring
5	Sowing
6	Weeding
7	Irrigation
8	Harvesting
9	Threshing
10	Winnowing
11	Harvest packing
12	Pesticides Spraying
13	Other stage of agriculture practice(Specify)
Sysmiss	

**S4Q9\_2\_4: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?**

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

**Overview**

Valid: 0 Invalid: 3251

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Ploughing
2	Soil leveling
3	Raking
4	Manuring
5	Sowing
6	Weeding

7	Irrigation
8	Harvesting
9	Threshing
10	Winnowing
11	Harvest packing
12	Pesticides Spraying
13	Other stage of agriculture practice(Specify)
Sysmiss	

### S4Q13: 4.13 Has this plot been irrigated during this agricultural season?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 2180 Invalid: 1071

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Yes	2023	92.8%
2	No	157	7.2%
Sysmiss		1071	

### S4Q14: 4.14 What is irrigation technique used on this plot?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 2023 Invalid: 1228

Type: Discrete Decimal: 0 Width: 38 Range: 1 - 6 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Surface irrigation	325	16.1%
2	Flood irrigation (especially for rice)	0	0%
3	Drip irrigation	6	0.3%
4	Sprinkler irrigation	32	1.6%
5	Pivot irrigation	16	0.8%

6	Traditional techniques	1644	81.3%
Sysmiss		1228	

### S4Q9\_2\_5: 4.9.2 At which stage of agriculture practice have you used ploughing tractor?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 0 Invalid: 3251

Type: Discrete Decimal: 0 Width: 44 Range: 1 - 13 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	Ploughing
2	Soil leveling
3	Raking
4	Manuring
5	Sowing
6	Weeding
7	Irrigation
8	Harvesting
9	Threshing
10	Winnowing
11	Harvest packing
12	Pesticides Spraying
13	Other stage of agriculture practice(Specify)
Sysmiss	

### S4Q9\_3: 4.9.3 Amount paid on ploughing tractor (Rwf) in this season?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 8 Invalid: 3243 Minimum: 30000 Maximum: 620000 Mean: 314250 Standard deviation: 256518.309

Type: Continuous Decimal: 0 Width: 12 Range: 30000 - 620000 Format: Numeric

### S4Q10\_1: 4.10.1 Have you used any other mechanical equipment not mentioned in this plot d

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

**Overview**

Valid: 10 Invalid: 3241

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	0	0%
2	No	10	100%
Sysmiss		3241	

**S4Q10\_2: 4.10.2 At which stage of agriculturepractices have you used other mechanical equ**

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

**Overview**

Valid: 0 Invalid: 3251

Type: Discrete Decimal: 0 Width: 9 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
Sysmiss	

**S4Q10\_3: 4.10.3 Name of other mechanical equipment used during this season**

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**S4Q10\_4: 4.10.4 Amount paid for the other mechanical equipment in this season? (Rwf)**

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

**Overview**

Valid: 0 Invalid: 3251

Type: Discrete Decimal: 0 Width: 12 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
Sysmiss	

**S4Q11: 4.11 Amount spent on hired labor used to prepare land, sowing and any other agri**

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

**Overview**

Valid: 3250 Invalid: 1 Minimum: 0 Maximum: 6560000 Mean: 34333.306 Standard deviation: 194838.277  
 Type: Continuous Decimal: 0 Width: 12 Range: 0 - 6560000 Format: Numeric

**S4Q12: 4.12 Did you practice irrigation in any of your plots during this agricultural s**

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

**Overview**

Valid: 3250 Invalid: 1  
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	2180	67.1%
2	No	1070	32.9%
Sysmiss		1	

**S4Q15\_1: 4.15 What is the source of water for irrigation?**

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

**Overview**

Valid: 2023 Invalid: 1228  
 Type: Discrete Decimal: 0 Width: 22 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Rainwater harvesting	15	0.7%
2	Water treatment plant	16	0.8%
3	Underground water	794	39.2%
4	Lake/stream water	1098	54.3%

5	Water catchment(dam)	100	4.9%
6	Other source (specify)	0	0%
Sysmiss		1228	

#### S4Q15\_2: 4.15 What is the source of water for irrigation?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

##### Overview

Valid: 79 Invalid: 3172

Type: Discrete Decimal: 0 Width: 22 Range: 1 - 6 Format: Numeric

##### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Rainwater harvesting	0	0%
2	Water treatment plant	0	0%
3	Underground water	3	3.8%
4	Lake/stream water	56	70.9%
5	Water catchment(dam)	20	25.3%
6	Other source (specify)	0	0%
Sysmiss		3172	

#### S4Q16\_1: 4.16 What is the irrigation tool have you used?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

##### Overview

Valid: 2023 Invalid: 1228

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

##### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Irrigation machine	295	14.6%
2	Pump	18	0.9%
3	Tube wells	99	4.9%
4	Water can	733	36.2%
5	Water channels	31	1.5%
6	Jerycan/basin	840	41.5%

7	Other tool(specify)	7	0.3%
Sysmiss		1228	

### S4Q16\_2: 4.16 What is the irrigation tool have you used?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 428 Invalid: 2823

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Irrigation machine	0	0%
2	Pump	6	1.4%
3	Tube wells	38	8.9%
4	Water can	95	22.2%
5	Water channels	17	4%
6	Jerycan/basin	264	61.7%
7	Other tool(specify)	8	1.9%
Sysmiss		2823	

### S4Q16\_3: 4.16 What is the irrigation tool have you used?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 48 Invalid: 3203

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Irrigation machine	0	0%
2	Pump	0	0%
3	Tube wells	4	8.3%
4	Water can	7	14.6%
5	Water channels	5	10.4%
6	Jerycan/basin	31	64.6%



7	Other tool(specify)	1	2.1%
Sysmiss		3203	

### S4Q17: 4.17 What is the cost spent for irrigation activities? (Rwf)

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 2023    Invalid: 1228    Minimum: 0    Maximum: 3720000    Mean: 25568.907    Standard deviation: 164685.398

Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 3720000    Format: Numeric

### S4Q15\_3: 4.15 What is the source of water for irrigation?

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 1    Invalid: 3250

Type: Discrete    Decimal: 0    Width: 22    Range: 4 - 4    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
4		1	100%
Sysmiss		3250	

### PLOT\_WEIGHT: Plot weight

Data file: rwa-sas-SeasonC\_PartIV\_Agricultural practice

#### Overview

Valid: 3251    Invalid: 0    Minimum: 0.00849    Maximum: 5385.514    Mean: 141.839    Standard deviation: 371.081

Type: Continuous    Decimal: 0    Width: 9    Range: 0.0084901126101613 - 5385.51416015625    Format: Numeric

**SEGMENT\_ID: Segment Identification****Data file:** rwa-sas-seasonC\_Screening\_Agroforestry**Overview**

Valid: 5057   Invalid: 0   Minimum: 112001   Maximum: 572015   Mean: 367352.593   Standard deviation: 97946.817

Type: Continuous   Decimal: 0   Width: 12   Range: 112001 - 572015   Format: Numeric

**S1Q1: 1.1 Province****Data file:** rwa-sas-seasonC\_Screening\_Agroforestry**Overview**

Valid: 5057   Invalid: 0

Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 5   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	162	3.2%
2	South	957	18.9%
3	West	1606	31.8%
4	North	1880	37.2%
5	East	452	8.9%

**S1Q2: 1.2 District****Data file:** rwa-sas-seasonC\_Screening\_Agroforestry**Overview**

Valid: 5057   Invalid: 0

Type: Discrete   Decimal: 0   Width: 10   Range: 11 - 57   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	48	0.9%
12	Gasabo	78	1.5%
13	Kicukiro	36	0.7%
21	Nyanza	125	2.5%
22	Gisagara	134	2.6%
23	Nyaruguru	141	2.8%

24	Huye	133	2.6%
25	Nyamagabe	110	2.2%
26	Ruhango	136	2.7%
27	Muhanga	82	1.6%
28	Kamonyi	96	1.9%
31	Karongi	74	1.5%
32	Rutsiro	51	1%
33	Rubavu	628	12.4%
34	Nyabihu	696	13.8%
35	Ngororero	48	0.9%
36	Rusizi	23	0.5%
37	Nyamasheke	86	1.7%
41	Rulindo	87	1.7%
42	Gakenke	100	2%
43	Musanze	760	15%
44	Burera	849	16.8%
45	Gicumbi	84	1.7%
51	Rwamagana	52	1%
52	Nyagatare	102	2%
53	Gatsibo	98	1.9%
54	Kayonza	60	1.2%
55	Kirehe	52	1%
56	Ngoma	48	0.9%
57	Bugesera	40	0.8%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-seasonC\_Screening\_Agroforestry

#### Overview

Valid: 5057 Invalid: 0

Type: Discrete Decimal: 0 Width: 35 Range: 0 - 50 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	LSF/Site for season C	0	0%
10	10 Intensive cropland on hillsides	2404	47.5%
20	20 Intensive cropland in marshlands	2349	46.5%

30	30 Rangelands	7	0.1%
40	40 Mixed	297	5.9%
50	50 Site	0	0%

#### S1Q4: 1.4 Segment number

Data file: rwa-sas-seasonC\_Screening\_Agroforestry

##### Overview

Valid: 5057 Invalid: 0 Minimum: 1 Maximum: 35 Mean: 12.075 Standard deviation: 8.406  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 35 Format: Numeric

#### S2Q1: 2.1 Plot number

Data file: rwa-sas-seasonC\_Screening\_Agroforestry

##### Overview

Valid: 5057 Invalid: 0 Minimum: 1 Maximum: 25 Mean: 9.041 Standard deviation: 6.981  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 25 Format: Numeric

#### S2Q6: 2.6 Plot land use

Data file: rwa-sas-seasonC\_Screening\_Agroforestry

##### Overview

Valid: 5057 Invalid: 0  
Type: Discrete Decimal: 0 Width: 16 Range: 96 - 99 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
96	Agricultural	2292	45.3%
97	Pasture	58	1.1%
98	Fallow	1982	39.2%
99	Non agricultural	725	14.3%

#### S2Q7: 2.7 Nonagricultural Land Type

Data file: rwa-sas-seasonC\_Screening\_Agroforestry

##### Overview

Valid: 725 Invalid: 4332  
Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Buildings	184	25.4%
2	Road or Path	62	8.6%
3	Forest or Bush	334	46.1%
4	Bare or Rocky soil	8	1.1%
5	Unmanaged marshland	21	2.9%
6	Water body	92	12.7%
7	Other(specify)	24	3.3%
Sysmiss		4332	

### S2Q10: 2.10 Is there any agroforestry practices on this plot?

Data file: rwa-sas-seasonC\_Screening\_Agroforestry

#### Overview

Valid: 4332 Invalid: 725

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	1117	25.8%
2	No	3215	74.2%
Sysmiss		725	

### S2Q11: 2.11 Types of agroforestry trees existing in this plot?

Data file: rwa-sas-seasonC\_Screening\_Agroforestry

#### Overview

Valid: 1117 Invalid: 3940

Type: Discrete Decimal: 0 Width: 37 Range: 1 - 15 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Calliandra	88	7.9%

2	Leucaena	16	1.4%
3	Sesbania	8	0.7%
4	Acacia	12	1.1%
5	Erythrina	69	6.2%
6	Casuarina	0	0%
7	Maesopsis	0	0%
8	Alnus acuminata	393	35.2%
9	Grevillea	205	18.4%
10	Fruits trees	14	1.3%
11	Markhamia lutea(umusave)	156	14%
12	Tephrosia vogelii Hook. F. Teforosiya	5	0.4%
13	Vernonia amygdalina Del. Umubilizi	88	7.9%
14	Others(specify)	25	2.2%
15	Ikibonobono	38	3.4%
Sysmiss		3940	

## **PLOT\_WEIGHT: Plot weight**

**Data file: rwa-sas-seasonC\_Screening\_Agroforestry**

### **Overview**

Valid: 5057    Invalid: 0    Minimum: 0.00849    Maximum: 15637.804    Mean: 754.299    Standard deviation: 1026.795

Type: Continuous    Decimal: 0    Width: 9    Range: 0.0084901126101613 - 15637.8037109375    Format: Numeric

**SEGMENT\_ID: Segment Identification****Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation****Overview**

Valid: 7945 Invalid: 0 Minimum: 110001 Maximum: 572015 Mean: 362283.939 Standard deviation: 109893.512

Type: Continuous Decimal: 0 Width: 12 Range: 110001 - 572015 Format: Numeric

**S1Q1: 1.1 Province****Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation****Overview**

Valid: 5594 Invalid: 2351

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	171	3.1%
2	South	1065	19%
3	West	1784	31.9%
4	North	2105	37.6%
5	East	469	8.4%
Sysmiss		2351	

**S1Q2: 1.2 District****Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation****Overview**

Valid: 5594 Invalid: 2351

Type: Discrete Decimal: 0 Width: 10 Range: 11 - 57 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	49	0.9%
12	Gasabo	83	1.5%
13	Kicukiro	39	0.7%
21	Nyanza	138	2.5%
22	Gisagara	136	2.4%

23	Nyaruguru	161	2.9%
24	Huye	151	2.7%
25	Nyamagabe	117	2.1%
26	Ruhango	152	2.7%
27	Muhanga	97	1.7%
28	Kamonyi	113	2%
31	Karongi	87	1.6%
32	Rutsiro	53	0.9%
33	Rubavu	652	11.7%
34	Nyabihu	802	14.3%
35	Ngororero	51	0.9%
36	Rusizi	30	0.5%
37	Nyamasheke	109	1.9%
41	Rulindo	96	1.7%
42	Gakenke	128	2.3%
43	Musanze	841	15%
44	Burera	952	17%
45	Gicumbi	88	1.6%
51	Rwamagana	52	0.9%
52	Nyagatare	101	1.8%
53	Gatsibo	108	1.9%
54	Kayanza	64	1.1%
55	Kirehe	58	1%
56	Ngoma	45	0.8%
57	Bugesera	41	0.7%
Sysmiss		2351	

### S1Q3: 1.3 Stratum

Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation

#### Overview

Valid: 5594 Invalid: 2351

Type: Discrete Decimal: 0 Width: 35 Range: 0 - 50 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	LSF/Site for season C	0	0%



10	10 Intensive cropland on hillsides	2641	47.2%
20	20 Intensive cropland in marshlands	2633	47.1%
30	30 Rangelands	7	0.1%
40	40 Mixed	313	5.6%
50	50 Site	0	0%
Sysmiss		2351	

## S1Q4: 1.4 Segment number

Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation

### Overview

Valid: 5594 Invalid: 2351 Minimum: 1 Maximum: 35 Mean: 12.07 Standard deviation: 8.461  
 Type: Continuous Decimal: 0 Width: 8 Range: 1 - 35 Format: Numeric

## S2Q1: 2.1 Plot number

Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation

### Overview

Valid: 7945 Invalid: 0 Minimum: 1 Maximum: 73 Mean: 8.845 Standard deviation: 7.528  
 Type: Continuous Decimal: 0 Width: 8 Range: 1 - 73 Format: Numeric

## S2Q4: 2.4 Plot size (m2)

Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation

### Overview

Valid: 5594 Invalid: 2351 Minimum: 26.797 Maximum: 55175.277 Mean: 1384.803 Standard deviation: 3078.852  
 Type: Continuous Decimal: 0 Width: 8 Range: 26.796875 - 55175.27734375 Format: Numeric

## S2Q5\_2: 2.5.2 Farmer ID

Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation

### Overview

Valid: 5440 Invalid: 2505 Minimum: 1 Maximum: 25 Mean: 8.751 Standard deviation: 6.89  
 Type: Continuous Decimal: 0 Width: 8 Range: 1 - 25 Format: Numeric

## S2Q6: 2.6 Plot land use

Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation

## Overview

Valid: 5594 Invalid: 2351

Type: Discrete Decimal: 0 Width: 16 Range: 96 - 99 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
96	Agricultural	2604	46.5%
97	Pasture	62	1.1%
98	Fallow	2203	39.4%
99	Non agricultural	725	13%
Sysmiss		2351	

## S2Q7: 2.7 Nonagricultural Land Type

Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation

## Overview

Valid: 725 Invalid: 7220

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Buildings	184	25.4%
2	Road or Path	62	8.6%
3	Forest or Bush	334	46.1%
4	Bare or Rocky soil	8	1.1%
5	Unmanaged marshland	21	2.9%
6	Water body	92	12.7%
7	Other(specify)	24	3.3%
Sysmiss		7220	

## S2Q8: 2.8 Is there any antierosion activity on this plot?

Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation

## Overview

Valid: 4869 Invalid: 3076

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	3835	78.8%
2	No	1034	21.2%
Sysmiss		3076	

### S2Q9: 2.9 Types of antierosion activities existing on this plot

Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation

#### Overview

Valid: 3835 Invalid: 4110

Type: Discrete Decimal: 0 Width: 28 Range: 1 - 10 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Ditches	122	3.2%
2	Trees/Windbreak/Shelterbelt	163	4.3%
3	Bench terraces	229	6%
4	Progressive terraces	143	3.7%
5	Cover plants/Grasses	1296	33.8%
6	Water drainage	171	4.5%
7	Mulching	57	1.5%
8	Beds/Ridges	962	25.1%
9	Water channel	689	18%
10	Other(specify)	3	0.1%
Sysmiss		4110	

### S2Q12: 2.12 Is this plot located in land consolidation site in this season?

Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation

#### Overview

Valid: 2604 Invalid: 5341

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

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### CATEGORIES

Value	Category	Cases	
1	Yes	216	8.3%
2	No	2388	91.7%
Sysmiss		5341	

---

### **PLOT\_WEIGHT: Plot weight**

Data file: rwa-sas-seasonC\_Screening\_Antierosion\_land consolidation

#### Overview

Valid: 5594    Invalid: 2351    Minimum: 0.00849    Maximum: 15637.804    Mean: 741.834    Standard deviation: 1006.582  
 Type: Continuous    Decimal: 0    Width: 9    Range: 0.0084901126101613 - 15637.8037109375    Format: Numeric

---

**SEGMENT\_ID: Segment Identification****Data file:** rwa-sas-seasonC-Screening\_crops**Overview**

Valid: 10897    Invalid: 0    Minimum: 112001    Maximum: 5700050    Mean: 1938210.528    Standard deviation: 1936022.492

Type: Continuous    Decimal: 0    Width: 12    Range: 112001 - 5700050    Format: Numeric

**S1Q1: 1.1 Province****Data file:** rwa-sas-seasonC-Screening\_crops**Overview**

Valid: 10897    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Kigali	477	4.4%
2	South	3302	30.3%
3	West	2290	21%
4	North	2421	22.2%
5	East	2407	22.1%

**S1Q2: 1.2 District****Data file:** rwa-sas-seasonC-Screening\_crops**Overview**

Valid: 10897    Invalid: 0

Type: Discrete    Decimal: 0    Width: 10    Range: 11 - 57    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
11	Nyarugenge	137	1.3%
12	Gasabo	220	2%
13	Kicukiro	120	1.1%
21	Nyanza	434	4%
22	Gisagara	369	3.4%
23	Nyaruguru	355	3.3%

24	Huye	660	6.1%
25	Nyamagabe	352	3.2%
26	Ruhango	240	2.2%
27	Muhanga	400	3.7%
28	Kamonyi	492	4.5%
31	Karongi	267	2.5%
32	Rutsiro	171	1.6%
33	Rubavu	692	6.4%
34	Nyabihu	813	7.5%
35	Ngororero	60	0.6%
36	Rusizi	24	0.2%
37	Nyamasheke	263	2.4%
41	Rulindo	220	2%
42	Gakenke	235	2.2%
43	Musanze	895	8.2%
44	Burera	893	8.2%
45	Gicumbi	178	1.6%
51	Rwamagana	463	4.2%
52	Nyagatare	244	2.2%
53	Gatsibo	368	3.4%
54	Kayonza	207	1.9%
55	Kirehe	411	3.8%
56	Ngoma	210	1.9%
57	Bugesera	504	4.6%

### S1Q3: 1.3 Stratum

Data file: rwa-sas-seasonC-Screening\_crops

#### Overview

Valid: 10897    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 35    Range: 0 - 40    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	Site	5166	47.4%
10	10 Intensive cropland on hillsides	2550	23.4%
20	20 Intensive cropland in marshlands	2871	26.3%

30	30 Rangelands	7	0.1%
40	40 Mixed	303	2.8%

### S1Q4: 1.4 Segment number

Data file: rwa-sas-seasonC-Screening\_crops

#### Overview

Valid: 10897 Invalid: 0 Minimum: 1 Maximum: 94 Mean: 16.989 Standard deviation: 15.939  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 94 Format: Numeric

### S1Q7: 1.7 Number of grids sampled in the segment

Data file: rwa-sas-seasonC-Screening\_crops

#### Overview

Valid: 5731 Invalid: 5166  
Type: Discrete Decimal: 0 Width: 8 Range: 9 - 25 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
9		2855	49.8%
25		2876	50.2%
Sysmiss		5166	

### S2Q1: 2.1 Plot number

Data file: rwa-sas-seasonC-Screening\_crops

#### Overview

Valid: 10897 Invalid: 0 Minimum: 1 Maximum: 1528 Mean: 365.192 Standard deviation: 487.238  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 1528 Format: Numeric

### S2Q2: 2.2 Number of grid points that fall in this plot

Data file: rwa-sas-seasonC-Screening\_crops

#### Overview

Valid: 5731 Invalid: 5166  
Type: Discrete Decimal: 0 Width: 8 Range: 1 - 16 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		4996	87.2%
2		414	7.2%
3		121	2.1%
4		74	1.3%
5		27	0.5%
6		23	0.4%
7		15	0.3%
8		6	0.1%
9		46	0.8%
10		2	0%
11		4	0.1%
15		2	0%
16		1	0%
Sysmiss		5166	

### S2Q4: 2.4 Plot size (m2)

Data file: rwa-sas-seasonC-Screening\_crops

#### Overview

Valid: 10897    Invalid: 0    Minimum: 0.0029    Maximum: 55175.277    Mean: 713.304    Standard deviation: 2190.487

Type: Continuous    Decimal: 0    Width: 8    Range: 0.00290385726839304 - 55175.27734375    Format: Numeric

### S2Q6: 2.6 Plot land use

Data file: rwa-sas-seasonC-Screening\_crops

#### Overview

Valid: 10897    Invalid: 0

Type: Discrete    Decimal: 0    Width: 16    Range: 96 - 99    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
96	Agricultural	8224	75.5%
97	Pasture	56	0.5%



98	Fallow	1892	17.4%
99	Non agricultural	725	6.7%

## S2Q7: 2.7 Nonagricultural Land Type

Data file: rwa-sas-seasonC-Screening\_crops

### Overview

Valid: 725 Invalid: 10172

Type: Discrete Decimal: 0 Width: 19 Range: 1 - 7 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Buildings	184	25.4%
2	Road or Path	62	8.6%
3	Forest or Bush	334	46.1%
4	Bare or Rocky soil	8	1.1%
5	Unmanaged marshland	21	2.9%
6	Water body	92	12.7%
7	Other(specify)	24	3.3%
Sysmiss		10172	

## S2Q13: 2.13 Cropping system

Data file: rwa-sas-seasonC-Screening\_crops

### Overview

Valid: 8249 Invalid: 2648

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Pure Cropping	1851	22.4%
2	Mixed Cropping	6398	77.6%
Sysmiss		2648	

**S2Q14: 2.14 Number of main crops in the plot****Data file:** rwa-sas-seasonC-Screening\_crops**Overview**

Valid: 8249    Invalid: 2648

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 7    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		1851	22.4%
2		1334	16.2%
3		1248	15.1%
4		1135	13.8%
5		1207	14.6%
6		709	8.6%
7		765	9.3%
Sysmiss		2648	

**S3Q1: 3.1 Crop name****Data file:** rwa-sas-seasonC-Screening\_crops**Overview**

Valid: 8280    Invalid: 2617

Type: Discrete    Decimal: 0    Width: 42    Range: 101 - 510    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
101	Maize	118	1.4%
102	Paddy rice	47	0.6%
103	Sorghum	26	0.3%
104	Wheat	51	0.6%
105	Other cereal(specify)	0	0%
106	Bush bean	585	7.1%
107	Climbing bean	65	0.8%
108	Pea	255	3.1%
109	Other pulse	0	0%
110	Irish potato	648	7.8%

111	Sweet potato	1497	18.1%
112	Taro	83	1%
113	Yams	0	0%
114	Other tubers	0	0%
115	Tomato	840	10.1%
116	Cabbage	739	8.9%
117	Cauliflower	5	0.1%
118	Onion	321	3.9%
119	Carrot	295	3.6%
120	Eggplant	541	6.5%
121	Other seasonal vegetables(specify)	85	1%
122	Soybean	107	1.3%
123	Groundnut	17	0.2%
124	Sun flower	1	0%
125	Black eggplant	19	0.2%
126	Sweet pepper	141	1.7%
127	Amaranth	219	2.6%
128	celery	14	0.2%
129	Spinach	15	0.2%
130	Small red bean	0	0%
131	Beet root	131	1.6%
132	Garlic	16	0.2%
133	African cabbage	0	0%
134	Leek	3	0%
135	French beans	114	1.4%
136	Letus	2	0%
137	Broccoli	6	0.1%
138	Millet	0	0%
139	Cucumber	3	0%
140	Other seasonal crops	24	0.3%
201	Pyrethrum	84	1%
202	Pepper	3	0%
203	Pumpkin	0	0%
204	Napia grass	17	0.2%
205	Sugar cane	113	1.4%
206	Other annual crops(specify)	0	0%
300	Banana	0	0%
301	Cooking banana	210	2.5%
302	Dessert banana	170	2.1%

303	Banana for beer	260	3.1%
304	Coffee	17	0.2%
305	Cassava	253	3.1%
306	Mulberry	2	0%
307	Jatropha	0	0%
308	Stevia	0	0%
309	Macadamia	1	0%
310	Tea	10	0.1%
311	Other perennial crop(Specify)	1	0%
401	Tree tomato	11	0.1%
402	Pineapple	0	0%
403	Avocado	1	0%
404	Passion fruits	2	0%
405	Palm	0	0%
406	Mango	1	0%
407	Apple	0	0%
408	Papaya	2	0%
409	Orange	0	0%
410	Lemon	1	0%
411	Guava	0	0%
412	Oliver	0	0%
413	Water melon	32	0.4%
414	Mandarine	0	0%
415	Jack fruits	0	0%
416	Jack Fruits	0	0%
417	Gooseberry	0	0%
418	Sugar Apple/Coeur de Boeuf/Annona squamosa	0	0%
419	Other fruits(specify)	0	0%
501	Napia grass for fodder	20	0.2%
502	Maize for fodder	1	0%
503	Soybean for fodder	0	0%
504	Leucena	0	0%
509	Herbaceous	31	0.4%
510	other fodder crop(specify)	4	0%
Sysmiss		2617	

### S3Q4: 3.4 Number of banana plants

Data file: rwa-sas-seasonC-Screening\_crops

## Overview

Valid: 640   Invalid: 10257   Minimum: 1   Maximum: 710   Mean: 35.714   Standard deviation: 61.226  
 Type: Continuous   Decimal: 0   Width: 12   Range: 1 - 710   Format: Numeric

### S3Q5: 3.5 Is this crop for this season?

Data file: rwa-sas-seasonC-Screening\_crops

## Overview

Valid: 3083   Invalid: 7814  
 Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	1419	46%
2	No	1664	54%
Sysmiss		7814	

### S3Q6: 3.6 What is the expected period for harvesting this crop

Data file: rwa-sas-seasonC-Screening\_crops

## Overview

Valid: 3083   Invalid: 7814  
 Type: Discrete   Decimal: 0   Width: 39   Range: 1 - 24   Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Before 01/12	0	0%
2	Between 01-15/12	0	0%
3	Between 16-31/12	0	0%
4	Between 01-15/01	0	0%
5	Between 16- 31/01	0	0%
6	Between 01-28/02	0	0%
7	After Feb	0	0%
8	Other season (for perennial crops only)	0	0%
9	Before 01/05	0	0%
10	Between 01-15/05	0	0%
11	Between 15-31/05	0	0%

12	Between 01- 15/06	0	0%
13	Between 16 -30/06	0	0%
14	Between 01-15/07	0	0%
15	Between 16-31/07	0	0%
16	Between 01-31/08	0	0%
17	After August	0	0%
18	Other season (for perennial crops only)	0	0%
19	Before 01/08	471	15.3%
20	Between 01-15/08	266	8.6%
21	Between 16- 31/08	268	8.7%
22	Between 01-15/09	159	5.2%
23	Between 16 -30/09	410	13.3%
24	After 30/09	1509	48.9%
Sysmiss		7814	

## CROPGROUP: CropGroup

Data file: rwa-sas-seasonC-Screening\_crops

### Overview

Valid: 8280 Invalid: 2617

Type: Discrete Decimal: 0 Width: 15 Range: 6 - 305 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
6	Fruits	50	0.6%
7	Vegetables	3512	42.4%
8	Other crops	269	3.2%
9	Other cereals	1	0%
10	Taro & Yams	83	1%
11	Fodder crops	56	0.7%
101	Maize	118	1.4%
102	Paddy rice	47	0.6%
103	Sorghum	26	0.3%
104	Wheat	51	0.6%
106	Bush bean	585	7.1%
107	Climbing bean	65	0.8%
108	Pea	255	3.1%

110	Irish potato	648	7.8%
111	Sweet potato	1497	18.1%
122	Soybean	107	1.3%
123	Groundnut	17	0.2%
301	Cooking banana	210	2.5%
302	Dessert banana	170	2.1%
303	Banana for beer	260	3.1%
305	Cassava	253	3.1%
Sysmiss		2617	

## CROP\_AREA: Estimated Crop area in the farm(ha)

Data file: rwa-sas-seasonC-Screening\_crops

### Overview

Valid: 8249 Invalid: 2648 Minimum: 2.9e-05 Maximum: 84.246 Mean: 0.661 Standard deviation: 2.067  
 Type: Continuous Decimal: 0 Width: 9 Range: 2.90385723928921e-05 - 84.245735168457 Format: Numeric

## PLOT\_WEIGHT: plot weight

Data file: rwa-sas-seasonC-Screening\_crops

### Overview

Valid: 10897 Invalid: 0 Minimum: 0.00849 Maximum: 15637.804 Mean: 375.543 Standard deviation: 797.662  
 Type: Continuous Decimal: 0 Width: 10 Range: 0.00849011282242807 - 15637.8038163025 Format: Numeric

# study\_resources

## questionnaires

### Upgraded Seasonal Agricultural Survey 2020, Plot Questionnaire

---

title Upgraded Seasonal Agricultural Survey 2020, Plot Questionnaire  
 authors National Institute of Statistics of Rwanda  
 date 2020-01-01  
 country Rwanda  
 language English  
 contributors NISR  
 publishers National Institute of Statistics of Rwanda  
 filename Plot\_Questionnaire\_2020.pdf

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### Upgraded Seasonal Agricultural Survey 2020, Small Scale Farm Screening Questionnaire

---

title Upgraded Seasonal Agricultural Survey 2020, Small Scale Farm Screening Questionnaire  
 authors National Institute of Statistics of Rwanda  
 date 2020-01-01  
 country Rwanda  
 language English  
 contributors NISR  
 publishers National Institute of Statistics of Rwanda  
 filename Screening\_Questionnaire\_2020.pdf

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## reports

### Upgraded Seasonal Agricultural Survey 2020, Annual Report

---

title Upgraded Seasonal Agricultural Survey 2020, Annual Report  
 authors National Institute of Statistics of Rwanda  
 country Rwanda  
 language English  
 filename Final\_USAS 2020\_Annual\_Report.pdf

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